

1569

<400> 2280

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acgtcgggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnggaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372

<210> 2281

<211> 384

<212> DNA

<213> Homo sapiens

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1570

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<400> 2281

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tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaagggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taatttttaa ggtttacctg ttatgtaatt tttaatgggn actnggcattg gggcccgggt 360
tgcttttccg ggtnccttng gaaa 384
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cgggagtcac aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180
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1571

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ggcagattta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgatacatta 240
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ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgttgg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagttgg tctctnagtc catgggcaat ttcnagtggc tacagaaaaa gtgtcttttt 480
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<400> 2283

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actcacaaca atttgtttgc ctncagggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg agggtgtctt ctgggtagag ggatgggaag gaagggaacc ttacccccgg 240
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an 302

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<212> DNA

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1572

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 tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180
 ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240
 catgaaagct gccttggaag acacactggc agaaacggag gcgcgctttg gagcccagct 300
 ggcgcatatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360
 tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420
 ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480
 tgcttccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtgt 540
 ctttctgggt agagggatgg gaaggaaggg acccttacct ccgggtcttc tcctgacctg 600
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1573

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1574

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aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcctcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tgggtctggg gattttttgta cagcatcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
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nt 602
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ctcttcgnca ggangccctc ggcccccaag aaggagagaca gttctgctga agaactnaga 180
actgggccac ccagctgacc ggaccggtca tgcccgtcg gaaacgtctt atnaagaagg 240
aggaaagctt cgagtgcatt cactttaggn aaggagaaag gaattttcaa aaggcctttc 300
ggtagttct tccgttattg gcccgtgtc ccaaagnncc cgggnttttt ttgggnatt 360
aagggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaan 420
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<400> 2287

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caccttggnn gagnaacagg gaaaatctca tctgggtggtg ntacacacac gncgngtata 180
cccatggngc tgggtgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggnaaa attggcgacg tatngtcca caggaagcnc ctgcaccatt 300
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 atccgaaaatg ttctattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180
 cgcattgtccc ttcgcgggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240
 aggn catttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300
 cgggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360
 gcttggccaa taaggtgcca gcttgcctgc gtgctggtgc cattgcccc tgtgaaagtc 420
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caagttctcc gtgtgggatc ggngggntcc atcctggnet cgctgtccac cttccaacag 180
atttngatca gcaagcanga attntgaana aattccgggc cctcccatc cgtccacccg 240
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1584

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tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180
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1585

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cggcccccca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
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aagaagattt ccggaatncc anggactnca ngccca 336
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<210> 2292

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tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
tgtagatatt gcaccctatg acattggtgg tcctgatcaa gaatttggtg tggacgttnn 240
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gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180
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gaggcccagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180
acagtgatca tcaacccttc aggggtagtg atgtggtacc tgtatcccat caagaactgg 240
agatgtccca gcagtgagga actgggacat gtgacaggct gtggtggcac cactgagcct 300
agancatgga nccttggcat gccagggca agtngggaag ttctctgctc cccaggctgc 360
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 tattttgact tcctggaagg aaccggggac tatgactggc tggaaccact gcttntnaat 180
 cagacggtga tgtnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240
 ggaagccctg ctcatagaca ggtacctgtt gntgcacca gactttctcc gatacatgaa 300
 caacagggtta cttgatgtct aaacacctgn attgtgceca ctggaatgat ataccgcccc 360
 accactggng ccctcctgct gctcactgac cttccactct ttttaccaag ttagttgctt 420
 tttgntncat cnctnanggc catgagcgct tttcctgac actactatta tacatcatng 480
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ctgacccccct tcataggnac cagaagctcc aggaagaaaa acataaaagc ataactgagg 120
cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atggtgtctg cctggctttg ggaatcctca 240
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tt 302
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<212> DNA

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 ttccctatac tttccacca gacaacaatt tcctgtacct atgtggattc caagagcctg 180
 atagcattct tgtnccttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tggtcgnga tctggcactg 300
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420
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ggagaagctg gccaaagcacg agtcccagca agactactcc aaaggattcg gcgggaagta 120
tgggggtgcag aaggatcggg tggataagaa tgcgtcaacc tttgaggatg tcaccaggt 180
gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240
cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300
ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360
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ccaaccnang gaaaagct 438

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 tgccctgcgc cgggcgacac ccagcactcg gaggaggcgg aaccgcagcc cagccaggag 180
 gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcactg accagcactg 240
 ncgccctcct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300
 agtggaaactt gtgccccctgt ccangcgggt gcaagctttg aacacactgt cagccccgct 360
 ttcttgtgga aggtgtgggc tatgggtcac ctgggttctg gaagaagggg cccttaccga 420
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 tttgggccat tgcattcca 499

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 gtctgtctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaaa 180
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240
 gcctggagct ttcctgatga tgctggccct acagtacccc catgagggga ttcccttct 300

1595

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tggcccgggg tgctcccgc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180
gttccccacc gtggtccggc tggcgggagg cgaggttgcc ccaggacaga gtgattnacg 240
gccaagacct tcttgccctt gctccttggg acaacccaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnaccagtg ggaattaaag gggcaaaggg 360
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tttttnggn naaaatttnc cccttttttg gg 452
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aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180
aagacggact gatgcagccc ctgaatcagg ctttcgggtcg ggccgggtcg catactgcca 240
ccaggctgat gccgtncatc ggacttgcca ggtnaaatc ggaccggctg gcctttaagt 300
ttgctgccag aagcgggtggc aatgcagcgg gtttaagggtt gacgnetgca acgacctng 360
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1601

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ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cncttcatct 180
gcttcacang tggagtccgg acatcatacc agncctcgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctcnggnt 300
ctgggagtag tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
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<212> DNA

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<220>
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<222> (45)
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<220>
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<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 2304
ttggcttttn cncncatcaa gctcggccgc tactcnggcc tgtnncacgg .tgtggcctac 60
ggagccacgc gctacaatta cctaaaacct cgggcagaag aggagaggag gatagcagca 120
gaagagaaga agaagcagga tgaactgaaa cggattgccg gagaattggc agaagatgac 180
agcatattaa agngagtgc cctgcgaccc actccttggg ccagcagcgg atgaataaag 240
cttcctgnng ngng 254

<210> 2305
<211> 443
<212> DNA

1603

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

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<220>

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<222> (252)

<223> n equals a,t,g, or c

<220>

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<222> (260)

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<220>

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<222> (261)

<223> n equals a,t,g, or c

<220>

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<222> (335)

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<220>

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<222> (342)

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<220>

<221> misc feature

<222> (363)

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<220>

<221> misc feature

<222> (401)

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<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

1604

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<400> 2305

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gccccagaaa attaaaacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattgcccc cacaatccta ggcctaccg cgcagtagt gatcattcta ttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaact aacctcanna caaatgataa ccatacacia cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atccccctat 360
gancgggagc aatgattata ggctttcgct ctaaaattaa ngatgcctc ncccanttct 420
taccacaagg cacacctaca ccc 443
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<210> 2306

<211> 716

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (16)

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<220>

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<222> (81)

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<220>

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<222> (84)

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<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

1605

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<220>
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<220>
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<220>
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 <222> (562)
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<220>
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<220>
 <221> misc feature
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<220>
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 <222> (689)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (715)
 <223> n equals a,t,g, or c

<400> 2306
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 tcattggccc cacaatccta nggntaccg cgcagtagt gatcattcta tttccccctc 120
 tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
 taatcaaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240
 ctcttatact antatcetta atcattttta ttgccacaac taacctctc ggactcctgc 300
 ctcaactcatt tacaccaacc acccaactat ctataaacct agccatggcc atcccccttat 360
 gagcggggcg agtgattata ggcttttcgct ctaagattaa aaatgcccta gccacttct 420
 taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480
 tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540
 tactcatgca ccttattgga ancgccaccc tancaatatc aaccattaac cttccctcta 600

1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660
 tccaaagcct acgttttcca cacttctnnt taagcctctt acctgcacaa caacnc 716

<210> 2307
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (384)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
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 <222> (402)
 <223> n equals a,t,g, or c

<220>
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 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (411)
 <223> n equals a,t,g, or c

<400> 2307
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 ggacaagatt agagaatata aatctaagcg acagacatct ggaggacctg ttgatgctag 120
 ttcagagtat cagcaagagc tggagaggga gctttttaag ctcaagcaaa tgtttggttaa 180
 tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcatcga 240
 aaaaccccag gcctgaagaa ataaagtaaa attaactctgg taatttgtea cggattagtt 300
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360
 aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaage nctaaaatgg 420
 g 421

<210> 2308
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (41)

1607

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

1608

<220>
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 <222> (316)
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<220>
 <221> misc feature
 <222> (324)
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<220>
 <221> misc feature
 <222> (346)
 <223> n equals a,t,g, or c

<220>
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 <222> (423)
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<220>
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 <222> (436)
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<220>
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 <222> (462)
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<220>
 <221> misc feature
 <222> (468)
 <223> n equals a,t,g, or c

<220>
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 <222> (488)
 <223> n equals a,t,g, or c

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 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
 tcctagccat ggccatcccc ttatganegg ggcgagtgat tatangcttt cgntctaaga 180
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacacccctt atccccatac 240
 tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaanegtc ccctacaata 360
 tcaatcatta aacttccttc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccct 480
 ttacttttncg aaaaaccttt tt 502

1609

<210> 2309

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<400> 2309

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gcg ggaagcc ttccagagtg tgg tgc tgc gcc ggcctttgag aagagctgcc aggccatgtt 60
ccagcaaatac aatgatagct tccggctggg gacacaggaa tacttgacgc agctagaaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatac ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tgg tgc tctgt atgtgtgtga aat 283
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<210> 2310

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

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gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcctgaatt gctatgtgtc tgggtttcat ccacccgaca 180
ttgaagttga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactgggtc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatgggtga ctttttcaca agccaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tgggaattgg atgaattccc aaattcttgc ttgcttggct ttttaanaa tggnaancct 480
attncacttt aacactttta ttgcccaaaa antg 514

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<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1611

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2311

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ccntcactaa gggacaaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tcctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tntctcaga agcccggtgc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

```

<210> 2312

<211> 387

<212> DNA

<213> Homo sapiens

1612

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 2312

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ggtntgcatg tcatacgcggt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgcact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcattcctggg cctggagcac atgcacaacc gcttcgtggg 180
ctaccgggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300
gggtacatgg ctccggaggt cctgcagaag ggcgtggcct acgacagcag tgccgactgg 360
ttctctctgg ggtgcatgct cttcaag                                     387
```

<210> 2313

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

1613

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<400> 2313

nnccctacgc ccgttacttt cggttttcttn ccttcctttt ttgccacggt cgccgggttt 60
ccccgtcaag ctttnaatng ggggctccct ttagggttcc caattaanng ctttacggg 119

<210> 2314

<211> 739

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

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<220>

<221> misc feature

<222> (672)

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<220>

<221> misc feature

<222> (677)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (732)

1614

<223> n equals a,t,g, or c

<400> 2314

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nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctancgc ccgctccttt cgctttcttc 120
ccttcctttc tcgccacgtt cgcgggcttt ccccgctcaag ctctaaatcg ggggctccct 180
ttaggggtcc gatttagtgc ttacggcac ctcgaccca aaaaacttga ttaggggat 240
ggttcacgta gtgggccatc gccctgatag acgggttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggctc 360
attcttttga ttataaaggg attttgccga ttctggccta ttggttaaaa aatgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaacccttat ttgtttattt ttctaaatac attcaaatat 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgccct tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggttgaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739

```

<210> 2315

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<400> 2315

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tctagatcgc gagcggccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcggttta caacgtcgtg 120
actggggaan cccaaaancc gcncaacnng atg 153

```

1615

<210> 2316
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (190)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (203)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (243)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (252)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (274)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (275)
 <223> n equals a,t,g, or c

<400> 2316
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 ggcacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
 acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatccccc 180
 ttctgccagn tggcgtaata gcnaagagge ccgcaccgat cgccttccca acagttgcgc 240
 agnctgaatg gngaattggga cgcgccttgt agcnngcgca ttaaaccgccg g 291

<210> 2317
 <211> 363
 <212> DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

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<222> (24)

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<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

<400> 2317

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accggtccgg aattccccgg tgcacccacg cgtccgcca cgcgtccggg gggtgaggga 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngagggaag gngaaaagaa 360
ccc
```

<210> 2318

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

1618

<221> misc feature
 <222> (286)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (307)
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<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (439)
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<220>
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 <222> (443)
 <223> n equals a,t,g, or c

<220>
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 <222> (458)
 <223> n equals a,t,g, or c

<400> 2318
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 ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120
 gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180
 actggccgtc gttttacaac gtcgtgactg ggaaaaaccct ggcgttaccc aacttaatcg 240
 ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300
 gcccttnccc aacaggttgc gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

1619

gcattaagcg cggcnggtgt ggtgggttacg cncagcgtga ccgctacact tgccagcgcc 420
ctagcgcccg ctctttttna ttnccttccct tccttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

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<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

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<220>

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<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaacnc gactcactat ttgggaaagc tggcacgcct gcagggtaccg 60
gtccggaatt cccgggtcga cccacgcttt cgcgccattc aaaggccatt tctgttacta 120

1620

```

tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcggtagcc caacttaatc cgccttgacg aacatcccc tttcgcaagn 540
tgngaatacc aaaaggcccn accnat 566

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<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

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<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (222)

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<220>

<221> misc feature

<222> (232)

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<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

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cgggtcgacc cactcactgg atgctgactc tgtttctctt ctgagtgtg gggtagagga 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgtg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacia 240
gtattnnttc agg                                     253
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<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

1622

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<400> 2321

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gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaaccc tggcgntacc caacttaaac gacttgcagt acattccctc 180
tttngccagn tggng                                     195
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<210> 2322

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

1623

<221> misc feature
 <222> (148)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (180)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (375)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (387)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (425)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (438)
 <223> n equals a,t,g, or c

<220>
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 <222> (454)
 <223> n equals a,t,g, or c

<400> 2322
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 ccgtttctta ctccctatgt ttgaanagaa acntnngng tgagatatatac aaatatattt 120
 aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180
 aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tctntatag tgtcacctaa 240
 attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300
 acttaatcgc cttgcagcac atacccttt cgccagctgg cgtaatagcg aagaggcccg 360
 caccgatcgc ccttnccaac agttgcncag cctgaatggc gaatgggacg cgccctgtag 420
 cggcncatta agcgcgngg gtgtggtggt tacnc 455

<210> 2323
 <211> 211

1624

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)

1625

<223> n equals a,t,g, or c

<400> 2323

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cn gaaanccc tttggaaacc ccnttgg nac gaccgantat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn tttgtactgg atgatcgtga 180
ggctcataat gaggtanaac cactttgnat n 211
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<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

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<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

1626

<223> n equals a,t,g, or c

<400> 2324

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gcggacgcgt gggctatattt ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacgca catnccctt tcnntcagnt g          231
```

<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

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<220>

<221> misc feature

<222> (110)

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<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

1627

<223> n equals a,t,g, or c

<400> 2325

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ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagaccttn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
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<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (10)

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<222> (14)

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<220>

<221> misc feature

<222> (102)

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<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

1628

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2326
atnntgnaan accnctcact ataggtaaag ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccaccgct ccggggagag ttcacattat tncctttcca tnggaagngg 120
tgctggngna ttcaaategt tc 142

<210> 2327
<211> 155
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

1629

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<221> misc feature
<222> (151)
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<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<400> 2327
cttctctgga tangcngta gaactcctct ggaaaccctc actatagggg aagctggtac 60
gcctgcaggt accggtccgg aattcccggg tcgaccacg cgtccgcca cgcgtccgcc 120
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1630

<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
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<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2328
cncctcncng cctcgtatcc nctcactat agggaaagct ggtacgctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120
gngnggttnt 130

<210> 2329
<211> 191
<212> DNA
<213> Homo sapiens

<220>
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<222> (69)
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<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1631

<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2329
tactataggg aaagctggta cgcctgcagg taccgggccg gaattccccg gtcgaccac 60
gcgtccgnc aatntngnng cttctgtg ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatgggtt ataagagaac 180
tctcagnncc c 191

<210> 2330
<211> 216
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1632

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
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<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

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<222> (201)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (206)
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2330
tccctatgna acncctttgt aataccctca ctatagggaa agctggtacg cctgcaggta 60
ccggtccgga attcccgggt cgaccacgc gtncgcagaa agggagacca ttcatctct 120
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1633

<222> (118)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (128)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (171)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (220)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (278)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<400> 2331
 tccctngtaa actcctttgn aataccctc actataggga aagctggtac gcctgcaggt 60
 accggtccgg aattcccggg tcgaccacg cgtccgggca tttctgaagt gcactttntt 120
 gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180
 ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240
 tggattatgt gtaacctttt tattgntcct agatgcanag gatagaaaag cattttttgg 300
 tgcantggt 309

<210> 2332
 <211> 158
 <212> DNA
 <213> Homo sapiens

1634

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 2332
ggactagttc tagatcgcgga gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcactggccg tcnttttaca 120
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

1635

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2333
nccaattcta ntacgntcct catagggttaa agctgggtacg cctgcaggtn ccngtccgga 60
attccccgggt cgacccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtagcgtg catgcgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219

<210> 2334
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2334
gcccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60
gtacgcgtgc atgcgacgtc atancctctt tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160

<210> 2335

1636

<211> 154
<212> DNA
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<220>
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<220>
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<220>
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<400> 2335
ggactagttc tagatcgcca gccggccgctc tagaggatcc aagcttacgt accggtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn 154

<210> 2336
<211> 143
<212> DNA
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<220>
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1637

<222> (15)
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<220>
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gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

1638

gtcgtgactg ggaaaacgaa tgt

143

<210> 2337

<211> 246

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (243)

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<220>

<221> misc feature

<222> (244)

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1639

<220>

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<222> (245)

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<400> 2337

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gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgga ctagttctag atcgcgagcg 120
gccgctctag aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag 180
tgtcacctaa attcaattca ctggccgctcg ttttacaacg tcgtgactgg accccaaaaa 240
nnnnna                                         246
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<210> 2338

<211> 95

<212> DNA

<213> Homo sapiens

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<220>

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<222> (10)

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<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 2338

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ntgattacgn nntctcaa atcgagtcact atanggaaag ctggtacgcc tgcaggtacc 60
gggccggaat tcccgggtcg acccacgcgt ccgct                                         95
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<210> 2339

<211> 110

<212> DNA

<213> Homo sapiens

1640

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<220>
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<222> (43)
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gggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60
ggtacgctg caggtaccgg tccggaattc cggggtcgac ccacgcgtcc 110

<210> 2340
<211> 151
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>

1641

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ccgggtccgga attcccggt cgacccacgc gtccgggggt ttagtcgtga tttttttttt 120
ttnnccnggt tgtngtcctt ttttaagcaan a 151

<210> 2341
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
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<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
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<222> (157)
<223> n equals a,t,g, or c

<220>
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<220>
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1642

<222> (159)

<223> n equals a,t,g, or c

<400> 2341

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tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159

<210> 2342

<211> 138

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<220>

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<220>

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<220>

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<400> 2342

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ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138

<210> 2343

<211> 175

<212> DNA

1643

<213> Homo sapiens

<220>

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<220>

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<222> (165)

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<222> (168)

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<220>

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<222> (169)

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<220>

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<222> (174)

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gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggaccccn aaatnggnng gggnt 175

<210> 2344

<211> 584

<212> DNA

<213> Homo sapiens

<220>

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<222> (61)

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<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

1644

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<220>
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 <222> (554)
 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
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 ntnataaaaa aaagggttcag tattttcttt ttagtataac ttacatcctt tcaaataagt 120
 ctttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180
 cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240
 ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atggtcacat 300
 ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgttggt 360
 ttatatattc tgtcaaattg aaaagtttat ttcttcacta ttgtacctgt ggaaatacaa 420
 gccattttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaa 480
 aaaaaaaagg gcggcgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540
 agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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 <222> (24)

1645

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<220>

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<222> (27)

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<222> (97)

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<220>

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<222> (155)

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<222> (231)

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<222> (261)

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<220>

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<222> (274)

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<220>

<221> misc feature

<222> (327)

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<220>

<221> misc feature

<222> (361)

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1646

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<220>
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 <222> (390)
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<220>
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 <222> (422)
 <223> n equals a,t,g, or c

<220>
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 <222> (436)
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<400> 2345
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 tacgccaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccggtc 120
 cggaattccc gggtcgaccc acgcgtccga ctagnctctag atcgngggcg gccgctctag 180
 aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240
 attcaattca ctggccgtng ntttacaacg acngactgg gaaaaccctg gcgttaccca 300
 acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggcccg 360
 naccgatcgn cttgccaaaca ggtgcgcnagn ctgaatggcg aagggacgcg ccctggagcg 420
 gngcattaag cgcggnngg 438

<210> 2346
 <211> 168
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (14)
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<220>
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 <222> (27)
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 <222> (79)
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1647

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<222> (159)
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<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
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<222> (166)
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<400> 2346
ggacgcgtgg ttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaaa cccagacann tnattnat 168

<210> 2347
<211> 575
<212> DNA
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<220>
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<220>
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<222> (17)
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<220>

1648

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<220>
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<220>
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<220>
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 <222> (561)
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<220>
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 <222> (569)
 <223> n equals a,t,g, or c

<220>
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 <222> (571)
 <223> n equals a,t,g, or c

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 gactcactat antgattngc tggtagcgc gcaggtaccg gtccggaatt cccgggtcga 120
 cccacgcgcg cgccacgcg tccgtttaat ttgtacttaa aatacathtt actaatcata 180
 ttgattttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240
 tcctagagaa gcctaggtaa aaatgggttc cacctagtct gtttggtataa caccttcccc 300
 cgtcccctct ccattccctgc caattgggct ctatgcatat tgacaagcaa ataagaaaac 360
 cttagggtttc ttgtatttga atttccaaaa caataaaaagg ttttgactca agattttgcat 420
 tcaagaagag gcagaaattt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480
 gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgc 540
 tgggtggntn tatttggcag ngctgatgng ntagg 575

<210> 2348
 <211> 188
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

1649

<220>
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<220>
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<222> (17)
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<220>
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<222> (58)
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<220>
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<222> (60)
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<220>
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<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (174)
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<220>
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<222> (179)
<223> n equals a,t,g, or c

<220>
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<222> (184)
<223> n equals a,t,g, or c

<220>
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<222> (187)
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<400> 2348
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gttggtacgc ctgcaggtac cggtcgggaa ttcccgggtc gacccacgcg tccgctaagt 120
ctgatcgcat tgtgaatgaa acttagattt gaaaacagct cctaggatnc ctgncagcnc 180
ctgnagna 188

1650

<210> 2349
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 2349
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60
tatatngatt ngctggtagc cctgcaggta ccgggtccgga attcccgggt cgacccacgc 120
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350
<211> 379
<212> DNA
<213> Homo sapiens

<220>

1651

<221> misc feature
<222> (7)
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<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
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<220>
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<222> (72)
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<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

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<220>
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<222> (373)
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<220>
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<220>
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1652

<222> (379)

<223> n equals a,t,g, or c

<400> 2350

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actatagggga anagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 120
gcgtccgact gacgtgaaga aaatatgcca ttgtttattc cctcctgcat catttccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctggggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn                                     379
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<210> 2351

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

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<222> (14)

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<220>

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<222> (16)

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<220>

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<222> (17)

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<221> misc feature

<222> (94)

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<220>

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<222> (101)

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<220>

<221> misc feature

<222> (121)

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1653

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2351
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tatagggaaa gctggtacgc ctgcaggtac cggncgggaa ntcccggggtc gacccacgcg 120
nccgccccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180
aatacacttg ggtaccactt gnattttagn gtaaataaaa agat 224

<210> 2352
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
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1654

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<220>  
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1656

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1657

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tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

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1658

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nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180
cagnagnggg gcgactgtac atctatcgac atggngaggt agagcatggt tgggaggaaa 240
gacgntgaat cccatttggg gacagngagc ttgaggngct gccagaacac tgcactgaag 300
ataggaggag actgn 315

<210> 2355
<211> 197
<212> DNA
<213> Homo sapiens

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1659

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<220>
<221> misc feature
<222> (194)
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<220>
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<222> (195)
<223> n equals a,t,g, or c

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<220>
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<222> (197)
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tctaatacga ctactatattt gggaaagttt ggtacgcctg caggtaccgg tccggaattc 120
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180
aagaaacacg cnannnn 197

1660

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<211> 139
<212> DNA
<213> Homo sapiens

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<220>
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ggtagcggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120
agngacgntg aatgcgggt 139

<210> 2357
<211> 578
<212> DNA
<213> Homo sapiens

1661

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<220>
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<220>

1662

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 ggaaanttggt tacgcctgca ggtaccgggc cggaattccc gggtcgaccc acgcgtccgg 120
 gtgaaaggggg ggaccctacc ctacagaacat gaggggaataa tatttacgng gctcaciaag 180
 accagtggagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240
 tctagggtca gccttnnctg accctccgag aactctatga attgctgcca agtgntttaa 300
 ttttcctnag aatttcttng naatgttatt gaggggttga ggtcctttta caaattttgg 360

1663

aaataagtaa atcaaatagag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcggtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc ttttaagaaac caacctagga gnggattttc tataagnaat gggctctaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (14)

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<220>

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<222> (137)

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<222> (165)

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cgactcacta tagggaaagc tggtagcct gcaggtaccg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaanann aanagaacct taaaaaacta gaganc 166

<210> 2359

1664

<211> 369
 <212> DNA
 <213> Homo sapiens

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 tagggaaann tggtagcgcct gcagggtaccg gtccgggaatt cccgggtcga cccacgcgtc 120
 cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180
 gtagcttttt ctcccttggg ggcacatata aataggatgt gttgatgtgg actctaaact 240
 gtaattttcc tgtaactatt ttggaatgat gcatatttct aatgtttgtt atacttgtac 300
 agagtattgc tgntgggtgc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360
 ttttaaaga 369

<210> 2360
 <211> 185
 <212> DNA

1665

<213> Homo sapiens

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<222> (179)

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<400> 2360

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gactcactat agggaaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta 185
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<210> 2361

<211> 404

<212> DNA

<213> Homo sapiens

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1666

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<221> misc feature

<222> (403)

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<220>

<221> misc feature

<222> (404)

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<400>, 2361

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accgggtccgg aattccccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120
aaattaatat ttggtagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

1667

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ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaata agaaatatac ctgttttgtt ctaaaaaaaaa nnnn 404
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<210> 2362

<211> 561

<212> DNA

<213> Homo sapiens

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<222> (549)

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aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttatttaa catttttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt 300
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1668

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acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg 360
ncgtttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420
cacatncccc ttctgcagct ggcgtaatag cgaaaaagcc cgcaccgatc ggccttccaa 480
caagttgctc agcctgaatg ggggaatggga cgcgccctgt ancgngcat taancgccgg 540
gggtgtggng ggtaccnca a 561
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<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

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<220>

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<222> (331)

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<220>

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<222> (332)

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<220>

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<220>

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<222> (334)

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<222> (336)

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<222> (337)

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<220>

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<222> (338)

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1669

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<222> (499)
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cacctcgtga gtctctggaa agcaggggtcg gcctctgaat acagaggact tgggtcctgc 120
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccgggggag tcagagtggg 180
gctgcagcga aggccgtggt ggtcgaggtg agggtggtgg ccaggtcttg ttgccgcagt 240
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

1670

aaataaaata ttttcacctg aaaaaaaaaa nnnnnnnnnn aaaaaaaaaa gggcggccgc 360
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtggca 420
cctaaattca attactggcc gcgttttaca acgtcngact gggaaaaccc tggngttacc 480
caacttaatc gccttggann aaatnccctt ttg 513

<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

<220>

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<222> (166)

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1671

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<220>
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<220>
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<222> (336)
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<220>
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1672

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<222> (457)

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<400> 2364

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aacaacttgc atgaattagt ttnttgtagc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaannnna nncannaagt nanaannacc ctccanaag ggcggggcgc 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgttttac aacgtcntga ctgg 464

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<210> 2365

<211> 279

<212> DNA

<213> Homo sapiens

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<222> (29)

1673

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<220>

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1674

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<400> 2365

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tgaggtggca tcntgcntg atnagggacc catnntgaat ttctgtgngg gatangagtt 180
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240
caggctnttt aaagtganga aattancaat gaaaaagca 279

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<210> 2366

<211> 243

<212> DNA

1675

<213> Homo sapiens

<220>

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1676

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<400> 2366

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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120
atccaggcca naaagttcac agtcaaattg ggaggggtat tcttnatgca ggagacccca 180
ggccttggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240
ttt 243
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<211> 178

<212> DNA

<213> Homo sapiens

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1677

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<400> 2367

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acgcctgcag gtaccgggcc ggaattcccg ggtcgaccca cgcgtccggt aaaacctgga 120
taatcagngt atgttgcacc agaggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

<211> 139

<212> DNA

<213> Homo sapiens

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1678

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gcctgcagggt accggtccgg aattcccggg tcgaccacg cgtncgattn tatgnccttg 120
tggtctnctac agtaactna 139

<210> 2369
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cgggtccggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattncteta 120
gaggctggca agaaccaggn ggttttgntc tgccgggtctg gacaggggtt ggaaaggcca 180
ancccgga 187

<210> 2370
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<212> DNA
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1680

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<220>

1681

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1682

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cccgggtcga cccacgcgtc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120
attatatatt ttgtacagag antacaggcc ntngatnta ttaaaatcag nagatgntng 180
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgcttntgn 240
gatcngcggt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300
ataaatatatt aattttttaa attgatcttg tataatcana tgccccttna agcattatta 360
tagaagn                                           367

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<210> 2371

<211> 239

<212> DNA

<213> Homo sapiens

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<222> (68)

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1683

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<220>
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<220>
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<222> (233)
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<400> 2371
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ctataggnaa agctggnacg cctgcaggta cggggccgga attcccgggt cgacccacgc 120
gtccggagat antangtaat tgtattgacg tgcagangca tccatctctt ggattctnat 180
tncttctacc antgcagaac ttccacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372
<211> 279
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1684

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1685

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tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctgg tacgcctgca 120
gggtaccggtc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aaccatggag ttgggggctta 240
gctggattat ncttgntgct atgataaaaag gngtnaacg 279

<210> 2373

<211> 262

<212> DNA

<213> Homo sapiens

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<222> (184)

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<220>

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<222> (250)

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1686

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<400> 2373

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ntaatagcag tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 120
ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaan gggngntant tt                                     262
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<210> 2374

<211> 194

<212> DNA

<213> Homo sapiens

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1687

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<222> (168)

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<222> (178)

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<400> 2374

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ataggggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gctcatcggt tcacntcacc cccctgcnc ccttggnctc 180
taantatgct aatg                                     194
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<210> 2375

<211> 289

<212> DNA

<213> Homo sapiens

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1688

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<400> 2375

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acgccaaagct ctaatacgac tcactatagg gaaagctgnn acgcctgcag gtaccgggtcc 120
ggaattcccg ggtcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289

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<210> 2376

<211> 177

<212> DNA

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1689

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<220>
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<220>
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<222> (174)
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tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377
<211> 197
<212> DNA
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<220>
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<220>
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1690

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<222> (182)

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<220>

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<222> (193)

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gaccacacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag 197

<210> 2378

<211> 388

<212> DNA

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<220>

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1691

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<220>

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1692

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<400> 2378

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gactcactat aggnaaagct gttacgcctg cangtaccgg tccggaattc ccggnctcgac 120
ccacgcgtcc gcctttgggg tacataaaat gtcgggttct ctgaattttt tatcgaattt 180
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360
gnantaggaa tacgctttta aagaacga 388
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<210> 2379

<211> 395

<212> DNA

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<220>

1693

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 ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180
 acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240
 tacccaactt aatcgccctg cagcacatnc ccttttcgcc agctggcgta atagcgaaga 300
 ggcccgnacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat gggacgcgcc 360
 ctgtagcggg gcattaagcg cggnggntgt ggnngg 395

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1694

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<222> (28)

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1695

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ttccccgggtc gacccantcg tccgcttttt ctagatcgcg agcggccgct ctagagganc 120
caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac ctaaattcaa 180
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa 240
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300
tcgccccttc caacagttgc gcagcctgaa tggcgaaatgg gacgcgccct gtagcggcgc 360
attaagcgcg gcggnatgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420
nag 423

<210> 2381
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<212> DNA
<213> Homo sapiens

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<222> (23)
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1696

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<220>
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<400> 2381
aaaaaaaaaa aaangaaaaa annaagggcg gccgctcnag aggatccaag ctnacgtacg 60
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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180
canccccctt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240
acagttgcgc agcctgaa 258

<210> 2382
<211> 306
<212> DNA
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1697

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1698

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tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttcactggcc gtcgttttac 120
aacgtcgtga ctgggaaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaage nccggcgggtt 300
ggtngn                                     306

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<210> 2383
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<212> DNA
<213> Homo sapiens

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<220>
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1699

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<220>

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<220>

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1700

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1701

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<220>
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gcgacgttat agctattcta tagtgtcacc taaattcaat tcaactggccg tcgtttttaca 120
acgtngngac tgggaaaacc ctggcggttac ccancctaat cgccttgacag cacatcccc 180
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgag 240
caaactgaat ggcgaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300
gngggtnccct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360
nctttcttnc tcgncacggt cgcggnnttc ncgaaagctc taaatcgggg gctcccttta 420
gggttcgcgat ttaagggttt tacgggacct cgaccncaa aaacttgatt agggatgatg 480
ttcacgtagt gggcccatag nnctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384
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<212> DNA
<213> Homo sapiens

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1702

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<220>
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gggcggccgn tctagaggat ccaagcttac gtacgcgtgc atgcgacgac atagctcttc 120
tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180
ccctggcggt acccaacnta atcg 204

<210> 2385
<211> 544
<212> DNA
<213> Homo sapiens

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<220>
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<222> (511)
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<220>
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<220>
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<222> (523)
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1703

<220>
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tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acattttctac 120
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180
atataaaaatg agctttccta aattaaatct attttaaata aaggttatta ctattaaaaa 240
aaaaaaaaaa aagggcggcc gctctagagg atccaagctt acgtacgcgt gcatgcgacg 300
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360
tgactgggaa aaccctggcg ttaccaact taatgcctt gcagcacatc cccctttcgc 420
cagctggccg taatagcgaa gaggccgcga ccgatcgccc ttcccaacag ttgcgcagcc 480
tgaatggcga atgggacgcg ccctntaacc ngcgcattna acnccgggg gtngttgtgg 540
gtta 544

<210> 2386
<211> 212
<212> DNA
<213> Homo sapiens

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<220>
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<222> (6)
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1704

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<222> (203)
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<220>
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<222> (207)
<223> n equals a,t,g, or c

<220>
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<222> (208)
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gggtccggaat tcccgggtcg acccacgcgt ccgccagct gctccgctca gaggcttttc 120
ctctccactt cctgttcaca cagggggggg cggaagtgg agggaggaag ttgggggggag 180
gcgtgtaggg gggaccatt gnntgnnngg aa 212

<210> 2387
<211> 145
<212> DNA
<213> Homo sapiens

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1705

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<220>
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cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaaccc aangn 145

<210> 2388
<211> 137
<212> DNA
<213> Homo sapiens

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<220>
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<222> (10)
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1706

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<222> (114)
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<222> (115)
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<220>
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<222> (125)
<223> n equals a,t,g, or c

<400> 2388
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aattcaattc actggccgac gttttacaac gtcctgactg gganancaaa aacnnaagaa 120
attgnaaggt ccggcgg 137

<210> 2389
<211> 162
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (25)
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<222> (96)
<223> n equals a,t,g, or c

<220>

1707

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<222> (116)
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<220>
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<222> (147)
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<220>
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<222> (160)
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<220>
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<400> 2389
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gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcactggccg tcgttntaca 120
acgtcgtgac tgggaaaacc caaggngag ctgtggatcn na 162

<210> 2390
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (146)
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<220>
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<220>
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1708

<222> (154)

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<400> 2390

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gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagnnggn tnnnt 155

<210> 2391

<211> 161

<212> DNA

<213> Homo sapiens

<220>

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<222> (103)

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<222> (105)

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<222> (126)

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<221> misc feature

<222> (144)

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ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161

<210> 2392

<211> 480

<212> DNA

1709

<213> Homo sapiens

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<222> (353)

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<222> (440)

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<400> 2392

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attctagcac aacaagatga aattatggaa tacaaaagtg gtccttccc atgtgcagtc 120
cctgtcccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactggggccc gtcgtttaca cgncntgact gggaaaaccc tggngttacc 420
caacttaanc gccttgaggn aaatccccct tttgcccaatt ggggtataac caaaaaggcc 480
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<210> 2393

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1710

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<223> n equals a,t,g, or c

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<222> (71)
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ccctggcggt ncccaactta atcgcccttg agcacatccc ccttt 105

<210> 2394
<211> 476
<212> DNA
<213> Homo sapiens

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<220>

1711

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1712

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1713

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<220>

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<222> (410)

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<222> (418)

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<221> misc feature

<222> (436)

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<400> 2394

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ggctggtgag ccgcacgcca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcgg tccgagggcn ccagccnccg tggcagctg gagacgccat 180
ccaagcggag cgcgagatc ggcccgcgca ncgcctccta ctacgcttg tcgncgccc 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcggtgcgac gacgcgctgt 300
cgcnctacag cnagctggag ctgaccgcgn gtcngtccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnngcn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctgggggtt acccaa 476
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<210> 2395

<211> 485

<212> DNA

<213> Homo sapiens

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<220>

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1714

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<220>
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<220>
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<222> (374)
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<220>
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<222> (377)
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<220>
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<220>
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<222> (435)
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<220>
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<220>
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<220>
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<222> (483)
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1715

<400> 2395

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gctgagatct gttaactcat tataaggttta atttgttggt tcctagtttt gtacaagcag 120
aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaactttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtataaaa aaananaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaatnca 360
attcactggc cggngnnttt acaaccgctc tgactgggaa aaaccctggc gttaccaaac 420
ttaatcgnct ttgcnngcac atccccctt ttcggcagct ggcgtaaatn gcgaaagaag 480
gcncg 485
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<210> 2396

<211> 234

<212> DNA

<213> Homo sapiens

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<222> (26)

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<222> (66)

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1716

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ggcggn tgtg gtggatacgc gcagcgtgac cgctacactt gccagcnccc tacgcccgt 120
cctttngcct tacttccctt cctttctcgc caggttcagc cggctttccc cgncaaagct 180
tntaaatcgg ngggcttccc tttanggggt cccgatttta gnggcctttt acgg 234

<210> 2397
<211> 334
<212> DNA
<213> Homo sapiens

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<220>
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<222> (10)
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1717

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<220>
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<222> (319)
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<220>
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<400> 2397

1718

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ctgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tngttttaca 120
acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgag cacaatcccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaaatggg acgcgccctg tagcgggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334
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<210> 2398

<211> 306

<212> DNA

<213> Homo sapiens

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<220>

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<222> (23)

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<220>

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<222> (24)

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<222> (246)

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<220>

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<222> (276)

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1719

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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 120
atcccccttt cgccagctgg cgtaatagcg aagaggcccc caccgatcgc ccttcccaac 180
agttgcgcgag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcggg 240
tgtggnggta cccncaacgt gaccgtacac ttggcnagn ccctaacggc ccggttcttt 300
tngctt 306

<210> 2399
<211> 502
<212> DNA
<213> Homo sapiens

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<220>
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<220>
<221> misc feature

1720

<222> (446)
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<220>
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<222> (461)
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<220>
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<222> (486)
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<220>
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ttatctgga aattttgtat gagttcttga ataaaacttg ggaaccaaaa aaaaaaaaaa 120
aaaanaaaagg gcgccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180
agctcttcta tagtgncacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac 240
tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacatcccc tttcgccagc 300
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 360
ggcgaatggg acgcgccctg tagcggcgca ttaagcgcg cggtgtggt ggttacnccg 420
cagcgtgacc cgctacactt gccagngccc taccgcccc ntccttcgct ttcttccctt 480
cctttntngc cacgttcgcc cg 502

<210> 2400
<211> 327
<212> DNA
<213> Homo sapiens

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<222> (13)
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<220>
<221> misc feature

1721

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<222> (204)
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<220>
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acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca 120
acagttgcgc ancctgaatg gcgaatggga cgcgccttgt agcggcgcat taagcgcggc 180
gggngtggtg ggtacgcgca gcgngaccgc tacacttgca gcgcctagcg ccgctctttc 240
gcttcttctt tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggctcctta 300
aggttcgatt aaggcttacg gacctcg 327

<210> 2401
<211> 344
<212> DNA
<213> Homo sapiens

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1722

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<220>
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<220>
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<220>

1723

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<220>
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<220>
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<220>
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<220>
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1724

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<220>
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<220>
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 <222> (328)
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 ccatgggtttt caatacgttc aatgttctac actggcaaag aattnatgac cagtctctcc 120
 catatcacaa catcacttat ncctgatttc acctananaan gactcnattc ttgtctcat 180
 gtctntncac cacatnatnt ccntnnngtn atccaatatg ccncatnang acnaattcct 240
 tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300
 tcctgactcc gtctnacnt anaccacnct cttggactct ttg 344

<210> 2402
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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1725

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<222> (249)
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<220>
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<400> 2402
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cgacgcgtct ctttggacgc caccccaagg ctgtccctgg acgcagncgt cccagagcc 120
ccggaaccca ccagtgcctt ggacgnggt cccagcaact ttggagctgg ccgcagtgtg 180
ccagggcttc tctgtgtctc cagagccctg tctgtcgtg ggagctccat ctctcctgcc 240
ccacncatna tgccagagac tgcagcctca gaccnnggg angtgctgga gccacagtgc 300

1726

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agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcnctactgg gcat 444

```

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<210> 2403
<211> 522
<212> DNA
<213> Homo sapiens

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<222> (472)
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<220>
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<222> (509)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

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<400> 2403
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aaagaggagc cacgagatga ggaggaagag gccaagatga aggctcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acacctccc tggccagcca 240
cccaccaggg acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagg aggagaaaga ccgagaagcc aaattggcag agaatgcttg taccctggct 360

```

1727

gacctgacag aggggtcaggt tggcaagcta ctcacccgca agtctggaag ggtgcaactc 420
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tncatgnagga 480
gctgggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404

<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<400> 2404

ggatcgctgc agcgagggtc tggcggctaa accgtgggtt gagccaggct gccctcctgc 60
tgctgcggca gcctggggct cggggactgg ctagatctgt gactacctgg gcccagggcg 120
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgnng 168

<210> 2405

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1728

<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 2405
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tgactctcca tctgtgagaa agacacactg cagtgggaagg aaacacaaag agaattgtgaa 120
agactattac ctctactcc attctctgct cctcctcctg cagggggcgat gataccacct 180
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcaccceca tatgggggggc 240
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
cctggaatga ggccgcatg ggaggccata tgccaatgat gcctgggccc ccaatgatga 360
gacctcctgc ccgtcccatg atgggtgccc ctccggccgga atgactcgac cagacagata 420
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
atgctgctgg gatactgagt ttntaaaca gcntanggaa nacttggtcc ccttgtccta 540
tgaaaagaga atagttttgg aggggaanaa atgg 574

<210> 2406
<211> 483
<212> DNA
<213> Homo sapiens

<220>

1729

<221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<400> 2406
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 ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc 120
 ggccttgagc gctgagcaag caaagggtggt cctcgcgag gtgatccagg cgttctccgc 180
 cccggagaaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240
 ccttaagttt gctcgcttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300
 gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360
 tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttggtgcca ctgccagggg 420
 aggaaaggcc ttgatgttcc agacaataat naatgcnct gtgacttana aaaaaaaaaa 480
 aan 483

<210> 2407
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (289)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (340)
 <223> n equals a,t,g, or c

<220>

1730

<221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (488)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<400> 2407
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 tgaagccaga gaaaggaaaag ccaagatgac agattttgat cgttttaaaag ttatgaaggc 120
 aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180
 cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240
 tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300
 tcccacccaa aaggttcctg cccanaaagc cacaggccan aaagcacgcc tgctccaaaa 360
 ctcanaaagg tcaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420
 tgcatcataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480
 aagacanntc ttccttntca ntc 503

<210> 2408
 <211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>

1731

<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1732

<222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (519)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (593)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (595)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (621)
 <223> n equals a,t,g, or c

<400> 2408
 aacgcncnaa taagctcgct tggngcccca ggtaccggtg cggaattccc gggtcgaccc 60
 acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
 gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
 agcttctttt ccctaattgc gggcctcacc attgcatgca atgactattt tgtagtacac 240
 atgaagcaga agggaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
 tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganttang 360
 gaccnnaanc aggacacttn agcaaataa aaaataaaaat ctaactctca tttgacaagc 420
 agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattggtt gcataccctt 480
 gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
 aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
 aaattcaatt cactggccgg nggtttacaa cg 632

1733

<210> 2409
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>

1734

<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 2409
ncactatagg gnnaggtgga acgcccgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
cgcttttcgag cgcntttccc ctgntgacat cgacactcat acagngaaag tatgaccctt 120
ccctgaagcc cctgncngnt tcctatgac aagcaacttc cctgaggatc ctcaacaatg 180
gtcatgcttt caacgnggag ttggatgact ctnaggacaa agcagtgtc aaggaggagac 240
ccctggatgg cactaacaga tggattaagc ttcactttaa ctgggggttna cttnatggac 300
aaaggntnaa aacatactng 320

<210> 2410
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

1735

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

1736

<400> 2410

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gagctcccg c tggcctttc caaaggccac agaggaggna aaagcatcta agcctcacca 60
tgaatggccc agtgggnaccc antttgcccc gacagggggac cccaatagca angctctgcc 120
tccttgggccc caattcaacc aggcggaaac aatttcttga aatcaaccca ntgccanggg 180
ccggacaaaa tttcagggag gcctggatgc tattcttggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaacg gaagggccct ggagggactn ctgaaggcag 300
gcctaaanct ttcttggggg tggggcaaac caa 333

```

<210> 2411

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (607)

<223> n equals a,t,g, or c

<400> 2411

```

gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggcccccg 120
cggcctggac cccgtcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggacccca ccgacgcaa 240
gtaccacatg cagcgtgca ttgactctgg cctctgggtc cccaactcta aggccaagcg 300
aaggccaagg agggagagga ggcaggctct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccc gctaccaccg tcacctgctt 420
ccaggccctt atgtgccctt tttcagaaaa cagatagatg ccatctcgcc cgctcctgac 480
ttctctactt gcgctgctcg gccagcctg gggggcccg cagcctcctg gcttttcaact 540
gtttcactct cagcgccatt aagtctctgc tttagtcaag gggcttcaact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

```

<210> 2412

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 2412

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aggctttatc atcgacgata gcgtacttta tagcggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcgggc ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccgga aatcaagaac gatattcgtc tgttccgcca 240
ggagctgcgt gatgccgctt atcatttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgacttct acattccgga agatgaacct ttcaagataa tt 532

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1737

<210> 2413
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

1738

<400> 2413

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ggcacgagct cgtncgtttg gnaggggggtt gtnccctcct tcgatgcatt ccagccttgg 60
actcattgac tccagctaata gaagatcaaa aaattggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcaggtgt tgaaggatct ttgatagttg 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatggtgg aaaaagggaa tcattgaccc aacaaagggt gtgaaganct gctttatttg 300
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagtttgtag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaata tgggaggttn 420
gtatttgga ggtggcatnt tcct                                     444
```

<210> 2414

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

1739

<221> misc feature
 <222> (174)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (254)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (315)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (318)
 <223> n equals a,t,g, or c

<400> 2414
 tnggcgtnac ttttccggtg ccacagtcct angactcnct cctcagagcc gtgggaccgt 60
 gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120
 aggtgacaag agattngccc aaatcttgtg acaaaactac acatgcccac cgnnccagac 180
 ctgaactcct ggggggaccg cagcttctct tcnccaaaaa cccaagacac gctatgatct 240
 cccgncccct gagnacatg cgtggtggtg acngtagcca cgaagaccct gagggcaagtc 300
 aactggacgt ggacngcn 318

<210> 2415
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

1740

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

1741

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<400> 2415

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nncgcggggt ttccccgggg aaaaattttc ccccgggggg gggtcccgga accccccaaa 60
ccggccgggt ctccggggcn cccggggggg gaaaaagggg gccttcntta aggaaaaaaa 120
aagggggggg ccnngcccaa tttgggccgn aatccccaaa accccaattc cggggccaag 180
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtgg ggggaaagg 240
gggaaacccc gtcggggccg tenccttgcc gtgggnnggc ccattgggg ggtggaagaa 300
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtgt 360
tctaagtatt tatttaaac aaaagaatcn ccgttaaaan acatnn 406
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<210> 2416

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1742

<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (473)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (624)
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<220>
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<222> (647)
<223> n equals a,t,g, or c

<400> 2416
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ctcagacctt ggccctcctat cctatcgaag ctactggtcc cagaccatcc tggagatcct 120
gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180
aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240
ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300
ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360
ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

1743

```

gnagcagggga cttggggggt tgaatagccc aatncnggcn cccanttgga agnttcccac 480
aaaagcaact tttaagggga aaatgggggt tgaggggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc cactgggtg gcccaacacc nangcnaagc ttccggggtt 600
aagaccaact ttcaaagggtc aagntggggtc caaggcccaa ggcttcnt 648

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<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

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ggctacacta gagcagagta cgagtctgag gcggagggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgtgtc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgtgtgtg gatcgggttc taaaggaaaag ggtggagaga ttcaaccagt tagcgtgaaa 240
gttgagagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n

```

<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

1744

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<400> 2418

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ggttcggtat cgcccggtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggctgctgc tacctctcgt gctttgcgtg gggctcggcg cacttggtgtt ttcttcgggg 120
gccgaggggt tccgcaagcg aggccctcg gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatgttgg cagaattgtg attggcctct ttggaaaagt tgtgcccaag 240
acagtggaaa atttgttgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336
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<210> 2419

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

1745

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

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<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1746

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 <222> (318)
 <223> n equals a,t,g, or c

<220>
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 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (337)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (401)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (410)
 <223> n equals a,t,g, or c

<400> 2419
 gatatcatat agtaaaaccc agcccatgac ccctaacagg ggccctctca gccctcctaa 60
 tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120
 tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180
 accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240
 tnaccncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300
 cccctacccc ccaattanga aggcactngn cccaanatg catcaccccg ctaaattcccc 360
 tagaatccca ctctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (80)
 <223> n equals a,t,g, or c

<220>

1747

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1748

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 2420

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gc atgcctat catatagtaa aaccagccc atgaccacct acaggagccc tctcagccct 60
ccta atgacc tccggcctan ccatgtgatt tcacttccac tccataacgc tctcactact 120
aggcctacta accaaccacac taaccatata ccaatgatgg cgcgatgttn cacgagaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
at ttattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagccctt acccccctat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
ttatggtctc tatttacctc ctaaaactca aatattcaat ctcttcaca tttcca 536
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<210> 2421

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1749

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<400> 2421
caaaagggaa caaaagggnnn agctccaccg cgggtggcgggt tgctctaaaa ctantggatc 60
ccccgggctg caggaatncg gcacgaaatt tattacctca naagtttttt tcttcgcagg 120
atTTTTctga gccttttacc actccagcct agccctacc cccaattag gagggcactg 180
gcccccaaca ggcataccccc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240
attactcgca tcaggagtat caatcacctg agtcacccat agtctaatan aaaacaaccg 300
aaaccaaaata attcaagcac tgcttattac aattttactg ggtctctatt ttaccctcct 360
acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420
atTTTTtgta gccacaggct tccacggact tcacgtcatt attggctcaa ctttcctcac 480
tatctgcttc atccgccaac taatatTTTca ctttacatcc aaacatcact ttggcttcna 540
aaccgccgcc tgatactggc atTTTgtaaa tgtggtttga ntatttctgt atgtctccat 600
ctatggatga agg 613

<210> 2422
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

1750

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2422
gatgaccctt aacaggagcc ctctcagccc tcctaattgac ctccggccta gccatgtgat 60
ttcacttcca ctccataacg ctctcctac taggcctact aaccaacaca ctaaccatat 120
accaatgatg ggcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180
tccaaaaagg ccttcgatac gggataatcc tttttattac ctcagaagtt tttttcttcg 240
caggattttt ctgagccttt taccactcca gcctagcccc tccccccaa ttaggaaggc 300
actggcccc aacangnatc accccgctta atcccctana atttccactt cctaaacaca 360
tccgttttna tcgcatccgg gatttttnctt c 391

<210> 2423
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
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<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1751

<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
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<222> (351)
<223> n equals a,t,g, or c

<220>
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<222> (366)
<223> n equals a,t,g, or c

<220>
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<222> (391)
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<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2423
gcgaccgttg actattctct acaaaccaca aagacattgg gaacactata cctattattc 60
ggcgcacatg ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

1752

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cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240
cccctnataa tcggtgcccc atatgggggt tccccgcata aacaaataac tctgaatctt 300
actcctctct cctaactctg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360
tctacncctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaaggtttc 420
ncttttgggc tcattctcca cattcttaac ccgctacat 459
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<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

1753

<220>
 <221> misc feature
 <222> (712)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (723)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (726)
 <223> n equals a,t,g, or c

<400> 2424
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 ttttccttat ctgcttcccta gtccctgtatg ccccttttcc aacactcaca acaaaaactaa 120
 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
 tcacccctagt cctcatcgcc ctcccatccc tacgcatacct ttacataaca gacgagggtca 240
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
 ccgactacgg cggactaatc ttcaactcct acataacttcc cccattattc ctagaaccag 360
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gcccccatc 420
 gtataataat tacatcacaa gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcaccct 660
 ctacccctct tgaacaaaaa aaaaaanaa atccnagggg gggccggccc cnttcccccc 720
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (396)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (494)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

1754

<220>
 <221> misc feature
 <222> (507)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (527)
 <223> n equals a,t,g, or c

<400> 2425
 ggcgtacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60
 ttttccttat ctgcttccta gtctgtatg ccccttttcc aacactcaca acaaaaactaa 120
 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
 tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgagggtca 240
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
 ccgactacgg gggactaatc ttcaactcct acataacttc cccattattc ctagaacagg 360
 cgacctgcga ctcccttgacg ttgacaatcg aattantact cccgattgaa gcccccatc 420
 gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480
 gggcctttaa aaanaaaaat gcnattnccc cggnaaactt cttaaanccc aaacc 535

<210> 2426
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (523)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (556)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (557)
 <223> n equals a,t,g, or c

1755

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 2426

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ctcagacgct caggaaatag aaaccgtctg aactatcctg cccgccatca tcctagtcct 60
catcgccctc ccatccctac gcatccttta cataacagac gaggtcaacg atccctccct 120
taccatcaaa tcaattggcc accaatggta ctgaacctac gagtacaccg actacggcgg 180
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240
ccttgacgtt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgcaat catgagctgt cccacacatta ggcttaaaaa cagatgcaat 360
tcccggacgt ctaaaccaaa ccactttcac cgctacacga ccgggggtat actacgggtca 420
atgctctgaa atctgtggag caaaccacag tttcatgccc atcgtcctag aattaattcc 480
cctaaaaatc tttgaaatag ggnccgtatt taccctatag canccctct aaccctcta 540
gagccaaaaa aaaaannnaa aaa 563
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<210> 2427

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

1756

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 2427
nagaancatg gatccccngg ctgcagantc ggcanagtaa cagacgaggt caacgatccc 60
tcccttacca tcaaatcaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120
ggcggactaa tcttcaactc ctacatactt cccccattat tcctagaacc aggcgacctg 180
cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240
attacatcac aagacgtctt gcactcatga gctgtcccca cattaggctt aaaaacagat 300
gcaattcccc ggacgtctaa accaaaccac ttccaccggt acacgaccgg ggggtatact 360
acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgctct 420
agaattaatt nccccataaa atctttggaa taggggnccg tatttacctt atagnaaccc 480
ctctancccc tctagnggcc aaaaaaaaaa aaaaaactgg ggggggggccg ggaanc 536

<210> 2428
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

1757

<220>
 <221> misc feature
 <222> (348)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (433)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (466)
 <223> n equals a,t,g, or c

<400> 2428
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 tgttttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120
 gggatatggag aatttaaagg acctgtagggt tatgatgatt ataacgaaat aaccaaagca 180
 ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggttgga ggtggagggg 240
 ggttggttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300
 atttaatatc ccaatatgga actagggttca ntaagaagaa ngacagcnta gatccttaca 360
 tatacacacc ctttggaact ggacccaaaa ctgcattggc atgagggtttt gctctcatga 420
 acntgaaact tgntctaate agaggccttt canaacntct cctttnaacc ttg 473

<210> 2429
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

1758

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 2429

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gcacctgtgg aanttgatcg aaggcggtgc ccacatctac gtctgtgggg atgcacggaa 60
catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccacccaca gactccggcc tgtaatcagc 240
tctctgggct ccctcccgtg gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan                                     315
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<210> 2430

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

1759

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

1760

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2430

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gattcagaga ttttccgacc ttctcccat ggggtgtgccc cacattgtca cccaacacac 120
cagcttccga ggggtacatca tccccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcactgaaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggg gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccattccttca 360
gaacttctnc atggncagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc cccaacata ccagaaccgc nnttcctggc cccgctgaaa 480
gggcttangg gaaagggggg caaaaggaat tccagggnca atncaa 526
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<210> 2431

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

1761

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 2431
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ctaccatgtc catcagggtg acccagaagt cctacaaggt gtccacctct ggcccccggg 120
ccttcagcag ccgctcctac acgagtgggc cgggttcccg catcagctcc tcgagcttct 180
cccgagtggg caagcagcaa ctttcgcggt ggccctgggcg ggccggctatg gtggggccag 240
cggcatggga ggcatcaccg gagttacggt aaccagagct gctgagcccc cttgtcctgg 300
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420
tgagagacaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

1762

<220>
 <221> misc feature
 <222> (633)
 <223> n equals a,t,g, or c

<400> 2432
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 ctgcacacgc ttcccgacgc gtctgctgag ccccatggcc cagccacgc tctccgcgc 120
 ccccgcaat ccccggtcc tgcgggtggc gctgctgctc ctgctcctgg tggccgcag 180
 ccggcgcgca gcaggagcgt ccgtggtcac tgaactgcgc tgccagtgtc tgcagacact 240
 gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gacccactg 300
 cgcccaaacc gaagtcatac ccacactcaa gaatgggaag aaagcttgtc tcaacccgc 360
 atcccccata gtccagaaaa tcacgaaaa gatactgaac aaggggagca ccaactgaca 420
 ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggccctgcc 480
 cttaccagag ctgaaaatga aaaagagaac agcagctttt ctaggacag ctggaaaagg 540
 acttaattgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600
 aagcttgat tttaatat tacaatgctg gnnatttaaa g 641

<210> 2433
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (187)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (224)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (255)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (284)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1763

<222> (313)

<223> n equals a,t,g, or c

<400> 2433

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aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaagggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgtt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggc tcangttgtt gaaggggacc 240
caagtgcattg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctgggggctga 300
agacaatgct canaacg                                     317

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<210> 2434

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2434

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gctttattcc catcctgggt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttggg aaacaattgg cttcaacatg agaaagctcc tacagaagaa gggaaaaaag 120
agctgctggt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggaccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttggtacc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg ttctactgtg aatgcntgac 360
aataanatat tcccttgncc taaaacttta tatcanntta ttggatg 407

```

<210> 2435

1764

<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1765

<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 2435
gtcnccgtcc ccggtccgga atnccccgggt cgacccacgc gtccgatcca ccanttatct 60
ttnaaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctccttancc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaataag gctgtcaatg 180
gtgtaagaga aatgaggggt cctaaacact ttcttcctga gatgttaagc aaagtaatca 240
tcctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga 315

<210> 2436
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

1766

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

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<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2436
ggcgctctttt aatantggat cccccnggct gcatgaattc cgctcnanga ncactcttttt 60
tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaag 120
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180
gttccaacta cagaangtct cnccnacttc tcagaaagcc ancaca 226

<210> 2437
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1767

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (357)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<400> 2437
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 gaaccagatg cccatgctca tgggcccacc cccccgctcc accaatttct ttggcttctt 120
 gagctaaggg ggacaccctt ggcttccaag ccagccttga acccacctcc ctgtccctgg 180
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcanac 300
 acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360
 gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420
 taangaagta nattctccca gaagcaaaga aaaattc 457

<210> 2438

1768

<211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (321)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (333)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (355)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (358)
 <223> n equals a,t,g, or c

<400> 2438
 ggggtggcgat ggcactgtgg gctgggtgct tggcgccctg gaggagacac ggtaccgact 60
 ggcctgcccc gagccttctg tggccatcct gccctgggc acaggggaatg accttggtcg 120
 agtcctccgc tggggggcg gctacagcgg cgaggaccgg ttctccgtac tgctgtctgt 180
 ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240
 tggcagtgc gagaacgaca cggcanacgc agagccccc aagatcgtgc agatgagtaa 300
 ctacttgtgg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360
 ggaacctgc 369

<210> 2439
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

1770

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<400> 2439

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atccctggcg ccnaccctg ngteccccgn cctcgagccc tttaatctga cttcggagcc 120
ctcggacnac gcnetggacc tcagcacttt cctccagcaa naccgggacg ccttcnaacn 180
gggacncccc gaactcccca aaaagaaacc gaaaaacca caaagaaaac accaaggcng 240
taccggggg c 251
```

<210> 2440

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2440

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gtggatgcac acctctgttc ataccaaagc tggctggcag tctactgctct ggagctaaag 60
gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
caagctacaa aacaatgcca gatgtgtgcc aagcttctaa tctgcttcct gcattgaggt 180
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatctg gaaaaaaaaa 240
atgtcttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
ggnaattttt ctttaacagg gttgaaccn attgaaaaa ccancctcct ngtttaattt 360
naagaaa 367
```

1771

<210> 2441
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1772

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2441
ggcagannaa agatggagat gagtttaata attcaattng ccagttattt cttgctttca 60
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120
accttcctag cataattaat gatgtcaaac ttgtatttga tcctgttgag ctcagngtgc 180
tcttctgcaa attcattnaa agcattcctg acaaccagnt gggtcngcan aaacttaact 240
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300
tgccactgct gacggaccan ct 322

<210> 2442
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

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ggttgcggtc aagatggcgc tggtagcttc tgtgcgagtc cgggcgcgcg ttctgctccg 60
cgcgggggcc cggctcccg ggcgcggccct cgggcggacg gagcgggcgg cgggcggcgg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgctgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttccgcgg tgnattctg 300
acctcgacc gccgggtgtg ntctcggncc gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
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<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

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<222> (544)

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<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1774

<400> 2443

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tgctggctaa acagctggca gccctgaagc agcagctggt tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgaccccgga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgctgacag aactggagac 420
agctgtcgtt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc ttaaacttgc agttttggat 540
caantggang gttnggttcn                                     560
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<210> 2444

<211> 558

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (21)

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<220>

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<222> (44)

<223> n equals a,t,g, or c

<400> 2444

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cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaaccc atgatagtagc tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat attttagatt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag                                     558
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<210> 2445

<211> 328

<212> DNA

<213> Homo sapiens

<220>

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1775

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<220>
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<222> (282)
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<222> (298)
<223> n equals a,t,g, or c

<220>
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<400> 2445
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tgacagtgct gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggcccatgg gcaacatcat 180
gatcgatcct gtcctcggta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240
cctgaagcag tttgccgaga tgtatgtggn caagttcgnc gncaaggggg agggccantt 300
ggggcctgnc gagcgggcca agaaagta 328

<210> 2446
<211> 230
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (12)
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<220>
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1776

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<220>
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<222> (47)
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<220>
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<220>
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<220>
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<220>
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<222> (185)
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<220>

1777

<221> misc feature
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<220>
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<220>
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<222> (217)
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agagcttggt gctcathtag aagtgcacca tcacgggtct gaccttntgg gaccccanct 120
gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnttactcc agctgtggca 180
tgcangtgtc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447
<211> 547
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

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gatgaggaga tgctgttcat ctatggccac tacaacaag caactgtggg cgacataaat 180
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240
ctgaaaggga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

aagaaaaaat acgggatatg agagactgga tttgggtact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
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ctttaaa 547

<210> 2448

<211> 361

<212> DNA

<213> Homo sapiens

<220>

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<222> (191)

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<220>

<221> misc feature

<222> (196)

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<220>

<221> misc feature

<222> (213)

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<222> (245)

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<222> (308)

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<222> (311)

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<220>

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<222> (331)

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<220>

<221> misc feature

<222> (338)

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1779

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ttcaggaaat gctaaaattg ggcaccctgc ccccaacttc aaagccacag ctgttatgcc 120
agatgggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180
cttttaccct nttganttca cctttgtgtg ccncacggag atcattgctt tcagtgatag 240
ggcanaagaa ttttaagaaac tcaactgcc aagtattggt gcttctgtgg attctcactt 300
ctgtcatnta ncatgggtca atacacctaa naaacaanga ngactgggac ccatgaacat 360
t 361

<210> 2449
<211> 764
<212> DNA
<213> Homo sapiens

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<222> (2)
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<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

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<222> (62)
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<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
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<222> (300)
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<220>
<221> misc feature

1780

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (745)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<400> 2449

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gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctgggtgtgt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcgcagt gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaaac cttatgatag taaaagtttg cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tgttatcact 540
attgatctgg ttcaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat ttgaaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatggt 720
gatgaaaaag caccttgatt ctcantgcag ggnctaaaaa gctg 764

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<210> 2450

<211> 487

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (22)

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<220>

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<222> (349)

1781

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<220> ,

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<400> 2450

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gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt tttagttaat 180
cacgatttct ctctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccaccac 300
tacctgttct tectgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttcttga cctcattgct gtggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctgagtttgn 480
cagcata 487
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<210> 2451

<211> 407

<212> DNA

<213> Homo sapiens

<220>

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<222> (44)

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<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

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<220>

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<222> (92)

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<220>

<221> misc feature

<222> (123)

1782

<223> n equals a,t,g, or c

<220>

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<222> (128)

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<220>

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<222> (142)

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<220>

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<222> (166)

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<220>

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<222> (213)

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<220>

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<220>

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<220>

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<220>

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<222> (275)

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<220>

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<222> (289)

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1783

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<220>
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<220>
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<220>
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 <222> (368)
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 gcnctctntt tgacattcac ancatccacg tgtgtctgca ccttgnagtc ttacttggt 180
 ttccatctga tggccccctg gtgtgtgccc tгнаacanga acnaangctc cgctccctc 240
 cgaaagccan ctccccctt gcaaccctt ctcnaaaag caatggcana agaactnaat 300
 cccacgtga tgggtgctcc tggcccataa ctggcccgga accggttnng ggaacccan 360
 ntttcttnga aaacccttgc ccacttctg gttggtttca ggaaacc 407

<210> 2452
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (429)
 <223> n equals a,t,g, or c

<220>

1784

<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
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<220>
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<222> (451)
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<220>
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<222> (454)
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<400> 2452
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agctacacac cttcgaggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300
gccgcgatgct tggaggtaaa gtccatggtt ccctggcccc tgctggaaaa gtgagaggtc 360
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420
ggatgcagna caaccggngc tttgtcnacg ntgngccacc tttggcaaga agaa 474

<210> 2453
<211> 630
<212> DNA
<213> Homo sapiens

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<220>
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<222> (212)
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<220>
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1785

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<220>
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1786

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<222> (627)

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<400> 2453

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tggaactggc cttttcaaat gtggtatagc agtgggtcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaataatttc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctgggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttta 600
ancaaccaat taatggtgtt naaaggntgt                                     630
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<210> 2454

<211> 251

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

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<220>

1787

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<220>
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1788

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<400> 2454
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 gtgaagcgcn agnngngttg accctnagac acagttggaa agccatggaa ctnttacctg 120
 gcacgnagn gnttgccggt gggaggattt ggaccgttga acatnatcca cgттаатggg 180
 gacgaanggg gaaagggttc cacctttgcc tttnaaggaa tttttttccc caaaaanttg 240
 ggcttaanga c 251

<210> 2455
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>

1789

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<220>
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<222> (117)
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<220>
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<222> (134)
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<220>
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1790

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<220>
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<220>
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<220>
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<222> (323)

1791

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<220>

<221> misc feature

<222> (350)

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<220>

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<222> (405)

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<222> (459)

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<222> (467)

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<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<400> 2455

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ncaacactcc angctcantc aactcactgg tgtatgggaa ttgtcttgat gtaaggncat 120
acttcttgcc ttenttntgg ctgcgacaaa aaccatagat tgctcttctg tnaggttttg 180
aattactgat cgcacttnat cgtnttgcat cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaaactt gcncaccat gaaggaatac cgattcccn ccattggtaca 360
tattccaggc ccgttatctc gggctttaaa agcaaaaatt tccancccaa ataacaacag 420
ttcttggttc tccccggaag ttccaggact gaaccncnc cgaaaanaac anttgggaacc 480
tttctttgg                                     489

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<210> 2456

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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1792

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

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<220>

<221> misc feature

<222> (264)

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<220>

<221> misc feature

<222> (282)

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<220>

<221> misc feature

<222> (329)

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<220>

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<222> (333)

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<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<400> 2456

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gctttcattg ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaagta 60
gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgctg 180
gtggtccttg ggcttcctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anacccctgaa cagctcctaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttaa ggttaaangt gcnaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac                                     375

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<210> 2457

<211> 287

<212> DNA

<213> Homo sapiens

1793

<220>
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<220>
<221> misc feature
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<220>
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<222> (140)
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<222> (150)
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<220>
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<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2457

1794

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gcggatgagc ccatccctgn caaggagcta gagcgagggtg tggcggggggc ccacggcctg 60
ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120
aaagtcatca gcaccatgtn tnggggcatn gaccacttgg ctttggatga aatcaagaag 180
cgtgggatcc gagttggcta caccccagat gtcctgacag atacnaccgt cgaactcgca 240
gtctnctgc tacttaccac ctgncgtcgg ttgncngagg ccatcga 287

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<210> 2458

<211> 105

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

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<220>

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<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<400> 2458

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ctcaagtgag ccgcatgctt ggcagatctg gccgacagga antacaagca ggctnccaag 60
tgcctactgn tgncttcntt tgatcactgt gacttccttg agctg 105

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<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (64)

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<220>

1795

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<220>
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<222> (199)
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<220>
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<222> (249)
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<220>
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<222> (266)
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<220>
<221> misc feature
<222> (302)
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<220>
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<220>
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1796

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<220>
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<222> (387)
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<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

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<222> (422)
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<220>
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1797

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<221> misc feature

<222> (432)

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<220>

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<221> misc feature

<222> (455)

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<221> misc feature

<222> (459)

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<220>

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<222> (470)

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<222> (471)

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<220>

<221> misc feature

<222> (472)

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1798

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<220>
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<222> (477)
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<220>
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<222> (478)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
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<220>
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<222> (489)
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<220>
<221> misc feature
<222> (490)
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<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

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tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120
ccgtggccac tgaaactncg ctgccagtgc ttgcagacct tgcagggaat tcacccaag 180
aacatccaaa gtgtgaacnt aaagtcccc ggacccact gcgcccac cgaagtcata 240

1799

```

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt tttggctaen nngnttnnag 480
gnancgttnn gnggaatntt                                     500

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<210> 2460

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

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<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 2460

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gtcccccggn cccactncg cccaaaccgg agtcatagcc acactcaaga ntgggcggaa 60
agcttgccctc aatcctgcan ccccatagt tatgaaantc atcg                                     104

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<210> 2461

<211> 393

<212> DNA

<213> Homo sapiens

<220>

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<220>

1800

<221> misc feature
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<220>
 <221> misc feature
 <222> (165)
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<220>
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<220>
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 <222> (341)
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<220>
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 <222> (350)
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<220>
 <221> misc feature
 <222> (364)
 <223> n equals a,t,g, or c

<220>
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 <222> (387)
 <223> n equals a,t,g, or c

<400> 2461
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 catgttggtta agtggttctat ccatccccac cacaccccaa cttcttcatg naagcaggtn 120
 tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180
 ntcttcacat tgcctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240
 attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300
 ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360
 cttnatcca ccgtttaaag aagtttngga att 393

<210> 2462
 <211> 362
 <212> DNA

1801

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

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<222> (262)

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<220>

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<222> (304)

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<220>

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<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 2462

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aagggcaaag ctgcctgag ccctcgaagt gtgggcgtca tctccccgta ccggaacag 120
gtggagaaaa tccgttactg catcaccaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaaggtggt tcagtagaag aattcaaggc aagangaage gtatctattt 240
cacggcgaac ancagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aacnntttct ggcataacct ntgaagatct 360
ga 362

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1802

<210> 2463
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
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<220>
<221> misc feature
<222> (288)
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<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

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<222> (444)
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<220>
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<222> (457)
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<220>
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<222> (461)
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<220>
<221> misc feature
<222> (526)
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<220>
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<222> (527)
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<400> 2463

1803

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ggacccacgc gtgacccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120
tgccagtgga gatgggcgctc actactgcta ccctcatttc acctgcgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcgatgc accttcgtca 240
gtacgagctg ctctnagaag ggaacccccca aatttaatta aagccttnag cacaattaat 300
taaaagtgaa acgtaattgt ncaancagtt aatcacccac catagggcat gattaacaaa 360
gcaacctttc ctttccccga atgattttgc gaaaccccct tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480
tccctctcac tttcattaaa ataataaaaac agcagccgcc aaccanntaa atgaa      535

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<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

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<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

1804

<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
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<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
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<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
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<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1805

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<400> 2464

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ggttcccggg cncccaacgg ccggtttttn tnttcntgga agggggaaag ggngtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatggtct ttnatctttt gaagtgggat ctacaatggg ntnagcaag 240
tggtggctcn agttcctagg acttgtaaca gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antntntnta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381
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<210> 2465

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

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<222> (104)

<223> n equals a,t,g, or c

<400> 2465

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gctcagcagg gagccccatg cccttcagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacggagcc tccanagca caactacngt antncttcg 109
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1806

<210> 2466
<211> 393
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>

1807

<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2466
ccacgcgtcc ggacaagnct gtgaaggatc tgggtcatctt gctctatgaa actgcgctcc 60
tgtcttcttg cttcagtcctg gaagatnccc agacacatgc taacaggatc tacaggatga 120
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240
actaanctct ggctgaggga tgacttacct gttcagtact ctacaattct ctgatagtat 300
atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360
actttaaagg gaaagattng attctgnnta cta 393

<210> 2467
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

```
ccgtgagggn aagcgtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccaggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
accgcgactc ttccgtcaat ttgcnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaacnttttn tgccaa                                     256
```

<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 2468

```
gggagccggc gccgggagtg agccataact ggtggctgct cttgcgccaa tgagcctccc 60
caattcctcc tgcctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgcccctgg tgggtggtcct gagcactatc tgcttgggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcggaag ctccacactg tggggaacct 240
gtacatcgtc agcntttcgg tggcggactt gatcgtgggt gccgtcgta tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antgggccgt cctttntgcc tcttttggt 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca accntcagg taccttangt nttgtaccaa aaccngag 478
```

<210> 2469

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

1810

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<400> 2469

```
gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgaggggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcata aaaagactta aaggtaaagc 180
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggg ggtgggatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttcctgcact 540
cttctaagnn ggtattncac acattcncaa aatt                                     574
```

<210> 2470

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1811

<222> (384)

<223> n equals a,t,g, or c

<400> 2470

```
gcttgtcggg aggagcataa gaagaagcac ccagatgctt cagtcaactt ctcagagttt 60
tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttcctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
```

<210> 2471

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

1812

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

1813

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (450)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (476)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<400> 2471
 ggcacgaggn aggaactgat tcgtcctgag agaaacacat tggttgtgag ttttgtggac 60
 ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120
 ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180
 taaaaaaaaga ntcataagaga aagtnnttca tcgactcaca cactatgac atgttctaata 240
 tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgaagagc tatgaagaag 300
 atccctactt ggtagttaaa ccctaactac ttggtctggag gattgnagat aagtggaaan 360
 taatggacca gagctganga acngtgggca cncacntent ggncngggag cngggngggga 420
 gctngggnag ggacaaaagtg tttccgggan tgnnggcttc caggatttgt tttccngaac 480
 caagaattga gttgaaggtc ccaagtgtca catnntcac aggtttcata ccaacacagg 540
 cttcagcaat 550

<210> 2472
 <211> 440
 <212> DNA
 <213> Homo sapiens

1814

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

1815

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2472
ggttctccaa cagcttcagg ttcattcagta agtcctgggtt tatacagtaa aaccatgacc 60
cctatatatg accccatcaa tggaacacca gcatcatcca ccatgacttg gttcagtgc 120
agccctttga cggaacanaa ctgcagcatc ctgcattca gccaaacccc ccagtcccca 180
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240
ggttggttag actnctgacg ctgnttatg gaacanggca tncaacagga tgagcagctg 300

1816

```

ctnttacgat ttaaatntta ttgtttcttn gacttgaatn ctaaataatga tgctgtccna 360
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatggtagan                                     440

```

```

<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

```

```

<400> 2473
aaggngancg ncnancctca ctaaagggaa caaaagctgg agctccaccg cgggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
ccccacccc tgtgtccaag tggccgcaact ccagacctga aggctctact caacgtgggtg 240
gacaatgccc ggagtttcat ctacgtcgct gtcatgaact acctgcccac tctggagttc 300
tcccacctac gagcgtggcg tcaaggtgcg cctgctcatc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct                                     387

```

```

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (195)

```

1817

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 2474

```

aattcggcac gagcacagct catgttttcc agcctgtgtg ggagcttggc ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttggatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

```

<210> 2475

<211> 496

<212> DNA

<213> Homo sapiens

<400> 2475

```

gggagcaggt ggcgggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcatcagat aggacctgga atgggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

```

<210> 2476

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

1818

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2476
catctgaaaa agaattganc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60
ttgaatttca tcgnatgatc tgggcagacc tcagctgcct ggtttaccga gctgataccc 120
agncatacca gcctttatna acaaagnctg ggtnaaaga gaagttctac gtgctccttc 180
gtgggcang 189

<210> 2477
<211> 531
<212> DNA
<213> Homo sapiens

1819

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 2477
tgaatncccg ggtcgacca cncgtccgcc caacacaggc atgctcataa ggaaagggtta 60
aaaaaagtaa aaggaactcg gcaaattctta ccccgccctgt ttaccaaaaa catcacctct 120
agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180
cctaaccgtg caaaggtagc ataatcactt gttccttaag tagggacctg tatgaatggc 240
tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc ccgtgaagan 300
gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360
tacctaacaa acccacaggt cctaaactac caaacctgca ttaaaaattt cggttggggc 420
gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480
aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478
<211> 409
<212> DNA
<213> Homo sapiens

1820

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2478
gggaaanntc tgcgccatga gagccaagtg gaggaagaag cgaatgcgca ggctgaagcg 60
caaaagaaga aagatgaggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120
ccacaggagc agaaacatgg aatgccagac gctggggatg ctggtacaag ttgtgggact 180
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcacgccc tctgatcgcc 240
gatcacctct gagaccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360
ataaatcacc tcttcgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1821

<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 2479
aaaatagttcc tttgcttcac tacaaaacgt aggatatctg gcgggtgatg cgaagattct 60
taataacatc aatttttcgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcggaaac 180
gttnactgtt tgaaggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300
ctttccctgg cagatccgta accggcagcc tgaccagcc atttttctcg nttttttcgn 360
acggtttggc tttgccggac agcatttnna cggggatttc gccgggtttt tggtggggaa 420

1822

aanaaggatt tcatggntng taacccgcaa ttttngccgn ggttttattg ttgggtggaa 480
taaccatggg tgggtgg 497

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1823

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171

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gcagtgtcttt attgagttgt catgagcctc gggcggggagc agcagcactg cctctccacg 180
ctccgggaaa ccgcagctgg cgtgtgccac atcggtccca cctcgcttta caaaacagtc 240
ctgaagctta atcaaataaa attattgtac acaacattta cattagaaaa aganagctgg 300
gtgtaggaaa gccgggcctg gtgttcctt taagcgaagg tggntccaca gttggggcat 360
cgtcgcttcc tcaaggcaaa acagcaaatg aacccaaagg ggaanaggat gatggccang 420
aagatnccca ngaaggtgaa gcantcct 448

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1824

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1825

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1826

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ctatgggtctc tcttgaaatt caaatttgaa tggaaatctc ctaatgcac tgatnaacat 180
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360
aactccaanc 370

<210> 2483
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1827

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<400> 2483

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cagaagatcg gcctccagaa ctctgttta ttcattggagg acacactgct aagatttcag 120
atttttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaattggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc ccaaaaggc aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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<210> 2484

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<212> DNA

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1828

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1829

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 ctnagggtct ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180
 cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtcgg gagtagaggt 240
 gaaaaagccc ggngagtctc tgaggatctc tgtaagggtt ctggatacag ctttaccagc 300
 tactggatca agtgggtgcg ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360
 gatcctagng actcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420
 gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480
 catgnattac tnggccagac atgaagccag aggcttggac tactttgact actggggcca 540
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<210> 2485
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1830

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acagtggaag gtggataacg ccctccaatc gggtaactcc caggagagtg tcacagagca 120
ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180
cgagaaacac aaagtctacg cctgcnaagt cacccatcag ggcctganct cccccgtnnc 240
aaa 243

<210> 2486
<211> 396
<212> DNA
<213> Homo sapiens

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<222> (329)
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1831

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agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttgattg gtacctgcag aagccagggc agtctccaca gctcctgac tatttgggtt 240
ctaaticgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300
cactgaaaat caccagagt gangctgang atgttggggg ttattattac tggatgcaag 360
cntacaaat tcattcantt tnggccttg accaaa 396

<210> 2487
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1832

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 catctcctgc acccgcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180
 agcgcgccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240
 gtccctgata ggttctcttg cttacatcga cagctctctc aactctgcct tccttaccat 300
 tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360
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<210> 2488
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1833

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<400> 2488

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ccaggggaaa nagccaccct ntctgctgg gccagtcana gtgtttacag cagctactta 180
gcctggtacc agcagaaacc tggncagnt cccaggnncc tcatctatgg tgcattccagc 240
aggg                                     244
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1834

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1835

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acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaat atggaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gcccatangg tcagtgcagt gatctgggac agacttcact ctcacatanc agtctgcacc 300
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<212> DNA

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1836

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ccggntctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatggttg 180
tggttataac tttgtntcct ggtaccaaca ggaccaggc aaagncccca aactnatgat 240
ttatgaatgt ncacttaagc gggccctcag gggtccctga atcgntttct ttgggntcca 300
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggtnn aggatgacgg 360
tggattatta actgggttgg tcatatttca ggnnggcttac aatagnttat gtttttcggg 420
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<210> 2491
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1838

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1839

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 cccaaccctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300
 ttttggttc caagtttggn aaaaaggggn ctcccttnga ncatttttgg ggttcccncc 360
 ctggggggggg tttttntttt tnnntnnngn gctnttttgg aaaggncccc actntntttn 420
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1842

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 cagtagatat gctgtcacct ggggtgcgaca ggcccttgga caaggccttg agtgggtggg 240
 aggcatacact cctgtctatg gtacgacaca ctatgcagat aatttgcgcg gccgggtcac 300
 cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360
 agacacggcc atgtatttct gtgcgagggt tcacaactcc tatgacagtt cggctctcaa 420
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 cccatcngtc ttncctctgg cacccttctt 510

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 tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180
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1843

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249

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caatgtgagg tgcggctggg ggagtcctgg ggaggcttgg ttcagccagg gcggtccctg 180
agactctcct gtacaactcc tggattcacc tttgatgatt atgcatgaa ctggttccgc 240
caggctccag ggaggggggt ggagtggttg ggtttcatta gaagcaaaac ttatggtggg 300
acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaa atgaacagcctg aagaccgagg acacagcccg tgtattattg 420
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1844

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ggaagggtgga taacgccctc caatcgggta acttccaggt ggagtgtcac agagcaggnc 240
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gaaacacaaa gtttttacggc tgcgagttca ccntcaggg ccttaggttg gcccgttaan 360
aagggggtttt aacagggggg gntttttagg gggnggggtt nccccctt nttctnnntt 420
ttccatttta cccctttnnn tttnnngcct tnncttttta aaagggnggg ncnncccttt 480
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1847

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 tcactctcac catcagcagt ctgcagcctg aagattttgc aacttacttc tgtcaacaga 180
 gtgacgattt cccttttagc ttcggccaag ggacacgact ggagatgaaa cgaactgtgg 240
 ctgcaccatc tgtcttcac ttcgcccat ctgatgagca gttgaaatct ggaactgcct 300
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 cacctacagc ctacagcagca ccctgacgct gagcaaagca nactacnaga aacacaaagt 480
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 ggnactgaac tttcacttct tcaacatcag cgggcctggg agcctgaaga ttttgagta 240
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 aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgttttttn anntttnccg 360
 gccattttga ttgggggcant ttggaaantt ttgggacttg cncttntttg nnnttncccn 420
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1852

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<400> 2498

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tggaactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360
ggtattcggc ggagggacca aactgaccgt ctaggtcaa gcccaaggct tgcccctcgg 420
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<212> DNA

<213> Homo sapiens

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tgacaaaact cac 433

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<212> DNA

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1853

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1854

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tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
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tactagtant gccaggagt gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
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<213> Homo sapiens

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tatgagggtca gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

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1855

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402

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<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

1856

<220>
 <221> misc feature
 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (291)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (303)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (338)
 <223> n equals a,t,g, or c

<400> 2502
 ggcacganct tganttgggtt tcaccagagg ccaggccagt ntccaaggcg cctactttat 60
 aagattttcta atcggggaact ctggcgtccc anacagattc ancggcagtg gggtcaggca 120
 ctgatttgca cactgaaaaat cagcaggggtg gaggctgagg atgttggcat ttattaactg 180
 catgcaaagg ttcacactgg cctcgggaacg ttcggccaag ggnaccaagg tgggaaatcn 240
 aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300
 tgnaaatctg gaactgcctc tgttgtgtgc cctgctgnat aactttcta 349

<210> 2503
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
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 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1857

<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2503
ngaaaaaang ggggattctc cctcacttna agggaacaaa cagctggcag ctccaccgcg 60
gtggcggcgcg ctctacaact actggatccc ccgggctgca ggaatactgc accacntaa 120
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)

1858

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 2504

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ncgattgcnc cttttctaaa aggggaaccaa agctgnncct ccaccgaggt ggcggacntt 60
ctagaactag tggatccccc gggctgcagg aattcggcac gantccatc tcaaaaaaaaa 120
aaaaaaaaaa aaancccaaa                                     140
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<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

1859

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 2505
ngtttttttcg aattaacccc ctncntgga ataaaactgg agtccaccg cngtggcggn 60
cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2506

1860

ccctctcttaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60
gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 2507
attacgttna gctggcncaa ttaancctca ataattggga acaaggcnct ggagctccac 60
cgcggtggcg gncgctctag aactagtgga tccccgggc tgcaggaatt cggcacgagn 120

1861

ncnagtcctat gacc

134

<210> 2508

<211> 124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 2508

gccaatgaan cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60

ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120

attt

124

<210> 2509

<211> 562

<212> DNA

<213> Homo sapiens

1862

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 2509
ncctcactaa gggnacaaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccg gctgcaggaa ttccggcagca gaccccatat agaaaccacc taccctcggg 120
gaggcttaat tacctggtaa tgcgcagct gactgctac ctgtgtattt tctgttttaa 180
tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240
agtcaagatt ccactaaaat ggtttgattt cgttgtaa atgtctcgtat tgcctaatagc 300
attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360
attatttagt ttacagggtg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420
aagagtacta taaaaagctg attgctcacc ttgagtgtca agaccagtt ccgggtactt 480
tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540
tccttttaaaa ggaaatggct ga 562

<210> 2510
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 2510
nctcataagg gancaaagct ggtgctccac cgcggtggcg gccgctctag aactagtgga 60
tccccggggc tgcaggaatt cggcagcagc ccatcctttg ctctaggat ttacatgtt 120

1863

```

gcctgcaaag ggagtcaaac ttagggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcattggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

```

<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2511

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aaccgcacc aanggaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgaggttaat tagaataaag tcattttctn 120
caaaaaaaaa aaaaaaaaaa aaagaaaaa 149

```

<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

1864

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

1865

<400> 2512
nnangacctt tcttngantt aacnccccctc ccttggaata aaactggagc tccaccgccg 60
tggcggcgct ctaaaactag tggatcccc gggctgcagg aattcgggac gagttcatgg 120
agaggcnant gctnggttcn cctgtgang 149

<210> 2513
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2513

1866

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gttnaggagac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctgttgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgtcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccacacccc tcaatctgtc 300
ggggagcccc tgcccttcac ctatgtccct tggccaggag cgagcgaagc tngggccttg 360
gtgaagctgc cctcctcttc tccccacaca ctacagccct ggtgggggag aagggggtgg 420
gtgctgcttg nggttagtct tttntntntt ntttaattca a 461

```

<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

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gctcgtcttc ctgccccacc ccgaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tctgtctgct ggccgcctat gcggggccgg cccagagcct gggctccttc 120
gtgcactgcg agccctgcga cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgctgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg cacggnccgc gggtttgnt caacnaaaag 360
agctaccg

```

<210> 2515

<211> 695

<212> DNA

1867

<213> Homo sapiens

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<400> 2515

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gtgctgagaa tattcctgag aatccctga agtatctgta tccaaatatt gacaaagacc 60
atgcctttgg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatttttttc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atctttctct aactcagaaa catcagttac tctgaagggc atcatgcatc ttactgaagg 420
taaaattgaa aggcattctc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480

```

1868

ccaaagtatc aggacgagaa tgaggggtcct ttgggaaagg agaanttaag caacatctag 540
caaattgttat gcataaagtc agtgcccaac tgntataggt tgttggataa atcaagtggg 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tggtagggag aattcttaca 660
tgtnttcttt ngctttaagg gaactgggcn agttt 695

<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

gcactccact ccttgtgctg cgctaggccc cccgtcccgg tcatggccat gctcagggtc 60
cagcccagagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctatatt cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

1869

<220>
 <221> misc feature
 <222> (364)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (382)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (429)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c.

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<400> 2517
 tatacggaaa gctggtacgc ctgcaggtac cgggtccggaa ttcccgggtc gacccacgcg 60
 tccgcatccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120
 ttcactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgaggtggct 180
 gtgctggggg cccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240
 gagacctccg tgcccgaacca tgctgctctgg tccctgttca acaccctctt cttgaactgg 300
 ngctgtctgg gcttcatagc attcgcttac tccgtgaagt ctagggacag gaagatgggt 360
 ggcngacgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtatttctg 480
 cttntgtgac agtctaccat tattttat 507

1870

<210> 2518
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1871

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (495)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (552)
 <223> n equals a,t,g, or c

<400> 2518
 gctngctatg ggcctagagt agcttaccta aatgctacta acctncctcc ataccattat 60
 tgtaaagatt aaaggtgatg catctgttaa gtaactaata gaggcttat taaaaggat 120
 gtgtncata agtattaatt ccccttctnt ctttttctta ctagtgact tgggtgttta 180
 atggatcata ctttacccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240
 aaacccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300
 atganaattt cnaaaccaca ttttgaaaaa ttatttccat cccagtgcata cttgtgttta 360
 cttcttaaca atcattttct aacttgaaaag ctggcattcc atgtcttcat ttttgggctg 420
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480
 gaaaaaaatt ggaananttt attccatcta tgccttttga tgctacttta tattccggaa 540
 anttaanttt cncctcattt tccaa 565

1872

<210> 2519
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (348)
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<220>
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<220>
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<220>
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<220>
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1873

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 <222> (441)
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<220>
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 <222> (473)
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<220>
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 <222> (477)
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<220>
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 <223> n equals a,t,g, or c

<400> 2519
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 actatttaat cagtcctgtca gattaaccca cctggcatat gtacctggtg tgtgtgtaaa 120
 gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180
 tattaatttc atcttattaa atctttgaag tatecagacca tgagaangca tgaanaaaacc 240
 tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300
 ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnt tttgcaaaat 360
 ctctcantna aggaatttat tggctnaaaa ctcttgtaac tgccacaant gcggggcccn 420
 ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480
 ggtccctcct cggaatttca naaaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540
 aaa 543

1874

<210> 2520
<211> 355
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

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<222> (214)
<223> n equals a,t,g, or c

<220>
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<222> (233)
<223> n equals a,t,g, or c

<220>
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<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

1875

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2520
 gcgatgcgct gtatgccggt atggaacggg cagacgctga cgttcgtgca ggaccgaccg 60
 tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120
 ttccgctaca gcttcagcgc cctgaaggac cgccataatg ccctttnagg tgaactggat 180
 tgacccgaac aacggctggg aaacggcgac agancttggt gaaagatacg cangccattg 240
 cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300
 gggggggccc gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 2521
 gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60
 acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120
 tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180
 attacaattt gaacctctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240
 atccagaccc aaatttcattg tttacagtgg aatcctttt ttgatggtgc aaatactggc 300
 aatcacctc aaaacgttgc aataccacc 329

<210> 2522
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (336)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2522
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 cacaattcag atagcaaacac ctgggaaagg caagaagtca acacaaaaac ccatccctat 120
 tctagctgct ggttttttgc cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180
 tcagcctact attgagcgag tggtagctta gctgctactc tggagtaaag caatatagca 240

1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggc tttaagataa 300
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)

1877

<223> n equals a,t,g, or c

<400> 2523

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gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgtc ttcctaattgc tacctttgtt ggtcctttct tccttaagtg 240
ccaagtgtctg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaagggtc agggaaaggg aaaatttttna ccaacngaag cngnctctta tanaa      415
```

<210> 2524

<211> 241

<212> DNA

<213> Homo sapiens

<400> 2524

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gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgtttaca gtcagtcct tttgtttaca 180
gcgagtttgc cagggagaga aaccttcacg tttcattact tgacccgact ctatgagcat 240
t                                                                    241
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<210> 2525

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

1878

<223> n equals a,t,g, or c

<400> 2525

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gctcggatca ggattttaa cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
tttttaggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggtctggg 180
gcatggcttt ctggattcca tttatttata gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggctgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaagaa tacaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcata tccnaatggg aagganagtg acctagnaa gatctgaagn nccttg 536

```

<210> 2526

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2526

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gaggcttggg atagttaa atgactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttggg tttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaagggtt tgagttcaca ctgatggtgg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgncagt ggtagatacc cctggctatg 480
ggtgacg

```

487

<210> 2527

<211> 410

1879

<212> DNA
<213> Homo sapiens

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<220>
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<222> (19)
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<220>
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<222> (20)
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<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
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<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 2527
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ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctggtg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctcctgcatc 300
tctcaatctt gaggaaactc tgagtacatt ggaatatgct catagagcaa agaacadatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410

<210> 2528
<211> 100
<212> DNA
<213> Homo sapiens

1880

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2528
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcctacctcn ctgtacctta 60
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>

1881

<221> misc feature
 <222> (342)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
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 <222> (446)
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<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<400> 2529
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 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120
 tcaactgtagt ggggtgttga caagttggta tggcgtgtgc taccagcatt ctgggaaagt 180
 ctctggctga tgaacttgct cttgtggatg ttttgggaaga taagcttaaa ggagaaatga 240
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300
 attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360
 gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc attattcctc 420
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480
 tttc 484

<210> 2530
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)
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<220>

1882

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<222> (7)
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<222> (16)
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<220>
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<222> (18)
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<220>
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<220>
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<222> (119)
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<222> (122)
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<220>
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<222> (126)
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<220>
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<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
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<220>
<221> misc feature

1883

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
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<220>
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<222> (151)
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<220>
<221> misc feature
<222> (155)
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<220>
<221> misc feature
<222> (156)
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<220>
<221> misc feature
<222> (157)
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<220>
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<222> (164)
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<220>
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<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

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<220>

<221> misc feature

<222> (223)

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<220>

<221> misc feature

<222> (343)

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<220>

<221> misc feature

<222> (411)

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<220>

<221> misc feature

<222> (426)

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<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c .

1885

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (576)
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 ctagttcgcg agcggccgct ctagaggatn caaggttacg tacgcaacca tgccagncna 120
 angctntttt antggggcnn cnaaantnaa nttannnggc cgcngtttnn caacgtcgtg 180
 actgggaaaa ccctggcggt acccaactta atcgcccttc agnacatccc cctttcgcca 240
 gctggcgtaa tagcgaagag gcccgcccg atcgcccttc ccaacagttg cgcagcctga 300
 atggcgaaatg ggacgcgccc tgtagcggcg cattaagcgc ggnggggtgtg gtggttacgc 360
 gcagcgtgac cgctacactt gccagcgccc tagcgcccgc tcctttcgct ntcttccctt 420
 cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctncccttag 480
 gggtccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540
 cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (44)
 <223> n equals a,t,g, or c

<400> 2531
 ccctcactaa nggancaaaa gctgggtgctc caccgcgggtg gcgnccgctc tagaactagt 60
 ggatcccccg ggctgcagga attcggcacg agaatgtcag gtaattgtta gccaaccaat 120

1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtgggtt ttctcatgga gtgagctgtt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

```

<210> 2532

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

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<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<400> 2532

```

gccttctctn aatgaggctc cctgctcagc tcctggngct gctaatagctc tgggtctctg 60
gatccagtgg gaatatgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttgattg gtacctgcag aagccagggc agtctncaca gctcctgata tatttgggtt 240
ctaactgggc cttcnngggg tccttgacag gntttt                                275

```

1887

<210> 2533

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

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<220>

<221> misc feature

<222> (85)

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<220>

<221> misc feature

<222> (92)

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<220>

<221> misc feature

<222> (119)

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<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<400> 2533

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tcccgggtcg acccaccgct ccgntctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

1888

```

tgtcaatcgc atctcagaaa ccagtcttcc accggatatg tatgaatgtc tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgtc agttttcata gtatccatat ttattactg ttattactt ccatgaattt 420
taaaatctga gggaaatgtt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480
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<210> 2534

<211> 429

<212> DNA

<213> Homo sapiens

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<400> 2534

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cccggccccg ccgcggggag ccccgcttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcggtt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnacg tgggggttcgg acgggcgctt cctncgcggg 420
taccaacat                                     429

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1889

<210> 2535

<211> 565

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<222> (499)

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<221> misc feature

<222> (538)

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<400> 2535

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actggaaggt tctcaaggag aagattgcaa agtatgggtat aagaaacagt ttacttattg 180
ccccgatgcc tacagcttcc actgctcaga tcctgggggaa taatgagtcc attgaacctt 240
acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
acttattgaa agatcttacc gagcggggcc tatggcatga agagatgaaa aaccagatta 360
ttgcatgcaa tggctctatt canagcatac cataaattcc tgatgacctg aagcaacttt 420
ataaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagagggtg 480
ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540
tggggggggcc cccaaaaaaa acccc 565

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1890

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tctan 185

<210> 2537
<211> 575
<212> DNA
<213> Homo sapiens

1891

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1892

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acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180
tttttatacct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240
tgcctngaac tgacttggnat taccaatggg tgccaaaaat gnataaaagng caaattgaaa 300
aacacaggag actacatcta tatcagtgac acattttctt tcctttctta cagggttttg 360
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420
aggtgtgcca agggacttna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480
gggtcaatta cctttgggtcg gaacngngca cactgacat natgggtcgg ntggactctg 540
gaaagangaa aatgggtggac atgtttgggc ataaa 575

<210> 2538
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<212> DNA
<213> Homo sapiens

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1893

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 ggtcaaagga ggcaccaagt gcatcaaata cctgctgttc ggatttaact tcattctctg 180
 gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240
 gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300
 tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360
 gcaggagtcc cagtgcattg tgggactgtt ctccggcttc ctcttggtga tattcgccat 420
 tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480
 ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540
 gctgaaagcc atccactatg cgttgaactg ctgngggntn ggctgggggg cgtgggaaaca 600
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<210> 2539
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 <212> DNA
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<220>
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1894

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1895

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ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgnnggnt ctcagnngaa ttgntgcctt tnttgacgtg gagaaatttg 240
ngagacatgt gaaaggagga catggtcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgttctac canggagaag cngatctcag 360
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1896

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<211> 551
<212> DNA
<213> Homo sapiens

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acatcacct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180
gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240
cgtgctacat ctctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300
tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgacggc tcctgtgcgt 360
ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420
gccttcaacg ccctgtggc caactgcaaa aaaagccttc aagggtttcg actgggtccag 480
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1897

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551

<210> 2541

<211> 669

<212> DNA

<213> Homo sapiens

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1898

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gagctgagca ggcggaggcc gacaagaagg cggcggaaga caggagcaag cagctggaag 180
atgagctggt gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240
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ctgaagccga cgtagcttct ctgaacagac gcatccagct ggttgaagaa gaagtttgga 360
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cagcagatga gagtgaagaga ngcatgaaag tcattgagaa gtcgagcca aaaagatgaa 480
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cggaatntna anagggggcc gtaactggca ttattgaaag gactggaact gcaaaagacg 600
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<210> 2542
<211> 310
<212> DNA
<213> Homo sapiens

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1899

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<210> 2543
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 <212> DNA
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1900

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<400> 2543

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ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360
acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaa agatccgaac 420
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480
gnggntcctt ggggtcctct ctggaaatgg ggacctanac ccgaggcatg ctgnctaact 540
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<211> 476

<212> DNA

<213> Homo sapiens

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1901

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1903

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 <223> n equals a,t,g, or c

<400> 2544
 gccanaacac attcgtcgtgta actntacatc tgntgggggat catatcataa ttgatgggnnt 60
 ncacgcanaa tnnccanattg acttggnngcg agaagctgnt tataaaaattt ttctttatcc 120
 caatgctggt caattgaaat gtnataaga attgctcagc agcaganatc ttntggcaaa 180
 gtnggngggg nattccangn nttctcacag ggctctncaa ggaacgatag ctnanaatnc 240
 agagactgac atgcagggtcc ttgaaaaact atctggcaaa cttntgaaa ganctctgaa 300
 agatttttnag atgatacgan ggatgaaant gaaactgaat cctcaaaatt ccnaagtaat 360
 gccntgggac ccccnttact acagtgggtgt gattcgtgca gaaaggtna atattgagcc 420
 cagcctatat tgccegnntt tctntcttgg agcatgcatg gaaagcctga atattn 476

<210> 2545
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
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 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1905

<222> (56)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (321)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (369)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (391)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (394)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (427)
 <223> n equals a,t,g, or c

<400> 2545
 cgtacangag ctganggnga ggcgcgctgc aggtcgacac tagtggatcc aaagantgtc 60
 ngcacagttt tctctcttgg agcatgcatg gaaggcctga atattttgct taacagactg 120
 ttggggattt cattatatgc agagcagcct gcaaaaggag aggtgtggag cgaagatgtc 180
 cgaaaactgg ctgttggttca tgaatctgaa ggattgttgg ggtacattta ctgtgatttt 240
 tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300
 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360
 gttcccgnna gggagttctc caactttggc naangcctgg gcatgatggg aaaacctttc 420
 ccagganggg ggac 434

<210> 2546
 <211> 591
 <212> DNA

1906

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<400> 2546

gctntgtcct cgctctggga atcaaaaccc cggntgggaa ctgaggcttc cgaactgctt 60
ccaaccctgg acacgaaggc ccccaccggc cggagaacga aaccctgggg tcgtctgaag 120
aggagggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

1907

```

caccgaggtc cccaagccct ccgcaaagga cgtggagatc ctggagcaag agagcgaagt 240
cctcgagcca tcagtcgagc aggacgcaga gagccccggg ctgtccacag ctgcgggctt 300
tgagagtcct gagccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggaggt 360
ccaggggcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcgggaagc 420
ccccacctg cgttttccgc cgtgccccga ggctnccag cgtcccccg aggagcgggt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
cccgaacccg ggccttagcc cggccgngca agccgtgaac tcgttnnaact t 591

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<210> 2547

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature ,

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<400> 2547

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ggttcaagag agagacaggg gttgatttga ctaaagacaa catggcactt cagagggtac 60
gggaagctgc tgaaaaggct aaatgtgaac tctctcctc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgacccgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
tgactaggat gcccatgttc ngcagactgn c 331

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<210> 2548

<211> 558

<212> DNA

<213> Homo sapiens

1908

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>

1909

<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2548
gctcgggagn tgaccaagaa gttgcgggaa caggggtctc tgctggggaa gctgggtccag 60
aatggaacag aaccttcac cctgccattc ttggacccca atgcccgcc cctgggtacca 120
gaggtctcca ttaaggtaca gaggtagagt gggagagtgt tgcaagctct agcacagtag 180
ttatattctg cccacaattg gggggtgaac acaggagaga atcaaaggag gctttgaagg 240
taggagttgg tgcaggcata tcttataccc actgagcaca gctgccaact gttgcccttt 300
attcgtctat ttctcagact ccacgggtat tcaatacagg gggtgcccct cggatccttg 360
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480
gctggtgacc tgctctattc catgcnatc cactgancgg tttattganc tatnccgact 540
gntttggact gctggcac 558

<210> 2549
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

1910

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>

1911

<221> misc feature
 <222> (139)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (287)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (297)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (304)
 <223> n equals a,t,g, or c

<400> 2549
 gcgactncat tgnngganaga attnaccaag ngtngcagtn tgcnggnnnc cancacactt 60
 tnatnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120
 ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180
 ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240
 natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300
 aatntttgtt tcc 313

<210> 2550
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (67)
 <223> n equals a,t,g, or c

1912

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 2550
agggnaagct ggtacgcctg caggtaccgg tccggaattc ccggggtcgac ccacgcgtcc 60
gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120
cacggtcttt gctcacatgc aggggtattt tgccagtgcg ggttcctgga aaaaaaatag 180
ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240
ccgtcttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300
cacctcttcc cagtgcctgat ggaatcttgg tgcctctcgc cctcagctgc acagaagctc 360
tgccgcctct tgggactggg ggtgacggat ttctcccag ccttgctcac ccctcgcac 420
aaagtggcc gagactatgt gcagaaagcc cagactaagg aacagggtang cggngctggc 480
ggnggggaan gcacanaaag agccg 505

1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60
aatgccatga tnagtgaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

1914

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gaaagtgctg atgaggaatc tggctctgcc tgaggacgtc cgaggggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg ggggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cggggccatg tcttgggctt cttagcacga aaacaatata gaaaggtcct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411

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<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

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gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaagn gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209

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<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1915

<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<400> 2554
ggcaaaaggt acatcaaggc actggcagaa gaaaacagga atgtggtgga tgggccatac 60
gctggagtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgaggttgaa 420
aattggtgtc ctcathttacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat 603

<210> 2555
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

1916

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2555
gcgtgtcggg acgtgcggag gctctcactt tccgtcatgg cgctgaagga acaaacaatt 60
cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120
gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180
ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240
catgggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300
ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360
acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420
gcacaaggac ttngacatnc tcccattggt ccggggganaa caanaggggg a 471

<210> 2556
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

1917

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 2556

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gcaataactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60
tcaattctna gtcccagagg ttacccaagg caccctctn acatccggcc tgntttctt 120
cacatgacaa aaactagccc ccatctcaat catataccaa atctctccct cactaaacgt 180
aagccttctc ctcaactctc caatcttacc catcatagca ggcagttgaa gtggattaaa 240
ccatcccagc tacgcanaat ctnaacttac tcttcaatta cccacatang atgaataata 300
ncagtcctnc cgtacaacct ac 322
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<210> 2557

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

1918

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2557
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60
taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtcc 120
cagaggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaac 180
tagcccccat ctcaatcata taccaaactc ctccctcact aaacgtaagc cttctcctca 240
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aaccagctt 300
cgctaaatct tagnatactc ctccaattan ccacatggga atgaaattat agcagggttct 360
tacggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>

1919

<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2558
gggacaatga accataacca atactaccaa tcaataactca tcattaataa tcataatggc 60
tatagcaata aaactaggaa tagccccctt tcacttctga gtcccanaag ttacccaagg 120
caccctctctg acatccggcc tgcttcttct cacatgacaa aaactagccc ccatctcaat 180
catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttata 240
catcatanca ngcagttgan gtggatttaa ccaaaccag ctacgcaaaa tcttagcata 300
ctcctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

1920

```

attcttaatt taactattta tattatccta actactancg cattcctact aatccactta 420
aatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480
cttattcctc c 491

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<210> 2559

<211> 290

<212> DNA

<213> Homo sapiens

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<222> (260)

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<220>

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<222> (268)

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<220>

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<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2559

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gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60
aatcataatg gctatagcaa taaaactagg aatagccccc ttctacttct gagtcccaga 120
ggttacccaa ggcaccctc tgacatccgg cctgcttctt ctacatgaa caaaaactag 180
ccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctctcactc 240
tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

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<210> 2560

<211> 566

<212> DNA

<213> Homo sapiens

<220>

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1921

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<220>

1922

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<400> 2560
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1923

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ccacatanga tgaataatag cagttctacc ntacaaccnt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cagcacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcaaga cnaacnatac cctcatcatc cccaccatcn ttgnccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccattct 540
ccccacactc aaanacttaa cacgtt 566

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<210> 2561

<211> 331

<212> DNA

<213> Homo sapiens

<220>

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<222> (282)

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<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

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<400> 2561

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acggctacat agaaaaatcc accccttacg agtgcggtt cgaccctata tccccgccc 120
gcgtcccttt ctccataaaa ttcttcttag tagctattac cttcttatta tttgatctag 180
aaattgccct ccttttacc cttaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat ccctcttatt aatcatcatc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattn n 331

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<210> 2562

<211> 539

<212> DNA

1924

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (23)

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<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

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<220>

<221> misc feature

<222> (82)

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<220>

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<222> (110)

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<220>

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<222> (136)

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<220>

<221> misc feature

<222> (151)

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<220>

<221> misc feature

<222> (178)

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<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

1925

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<222> (272)
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<220>
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<222> (273)
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<220>
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<220>
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<222> (426)
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<220>
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<222> (434)
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1926

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ttataacaag ctccatctgc cnacgacaaa cagacctaaa atcgctcatn gcatactctt 120
caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctc tgaagctnca 180
ccgngcagc cattctcata atcgcccacg gacttacatc ctcattacta ttctgcctag 240
caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctctgatca 420
aatatnactc tccngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480
aacatatntc gcacaaacgn aaatgggggg gtcaantcac ccaanccaca tttgaacng 539

<210> 2563
<211> 453
<212> DNA
<213> Homo sapiens

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1927

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<220>
<221> misc feature
<222> (130)
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<220>
<221> misc feature
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<220>
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<222> (197)
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<220>
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<222> (264)
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<220>

1928

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<221> misc feature
<222> (289)
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<222> (304)
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<220>
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<220>
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<220>
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1929

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<220>
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<222> (450)
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ggttacccaa ggcnaaccct cctgaaattc cggcctggct tcctttctac attgaacaaa 120
aaaactaagn cccccaatct caattcanta ttaccaaaat tctttctccc ctccaactta 180
aaaacgntta angcccnttc ctccctcca acttccttct tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnnngnttg aaaaggggtg gggaatttna aaaaccccaa 300
aaanccccc aagcntttnc ccgcaaaaaa aattcctttt aannccaatt aacctncccc 360
tnccaaattt ttaaccccc ncccttttg gggnaattgn aaaantttaa nttaangcca 420
aggtttnccc ttaccgggt ttaccaaanan ccc 453

<210> 2564
<211> 527
<212> DNA
<213> Homo sapiens

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1930

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<222> (80)

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<220>

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<222> (154)

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<220>

<221> misc feature

<222> (183)

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<220>

<221> misc feature

<222> (210)

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

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<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

1931

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<220>
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<220>
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<220>
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1932

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<222> (501)
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<222> (516)
<223> n equals a,t,g, or c

<220>
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gtatgtggtg ggcctggcan ggaatgcaat tctcagagaa gacaaaagacc cgcaaaaagat 120
gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctgtt 180
tangaaaaag aagtgtgact actggatcan gacttttgtt ccangttgcc ancccggcga 240
gttcacgctg ggcaacatta ananttaccg tggattaacn anttacctcg tccgagtngt 300
gancacaact acnaccagca tgctntggtg ttcttccaaa aaatttctcn aaacanggaa 360
ttcttccana tcaccctctn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420
acttctctcc cctcctccca attctcctgg gcccccttaa aaaccactct ccttcccttt 480
tcccattcca acantttttt naaanggtga attttnangt ttcccc 527

<210> 2565
<211> 547
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (377)
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1933

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<221> misc feature
<222> (415)
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<220>
<221> misc feature
<222> (490)
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<220>
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<222> (493)
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<222> (503)
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<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<400> 2565
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ggaaanaagg acatctggtg ctggagggtc tgagtggggt ccagggggccc caggcaggcc 120
aggagggaca gcctggtgtc agctcaggga gaaggccag gcccatctcg gctgggtggg 180
gtagggcccc tccaggtagt gggggatgag ctgtcacggg ttgggccgga ctgagagcaa 240
cagaaccctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300
gtctcccttc tcaccacccc atctctccct cccaaggaaa aagaagtgtg actactggat 360
caggactttt gttccangtt gccagcccg gtagttcacg ctgggcaaca ttaanagtta 420
ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480
ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540
gaaccaa 547

<210> 2566
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

1934

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<400> 2566
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agtggatccc ccgggctgca ggaattcggc acgagggggtc ccgggcgcggt ttcgggtgct 120
ggcggtgca gccgagttca aacctaaagca gctggaaggc ccctgtggct aggtaccata 180
gagtcctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgtctaag atgctgtaag aagagggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctacttttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatgggggt ccagcgggggt cttgtgggag agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
gacctgaagg accgtccatt ctttgccggc ctggtgaaat acatgcactc agg 593

<210> 2567
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2567
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taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120

1935

```

gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttggccac cttegggttc cccatctcat gctggtacaa cccacactga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgac aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat      416

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<210> 2568

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 2568

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gtggatcccc cgggctgcag gaattcggca cgagattccg tctgcgcggg ttgttctctg 120
gagcagcggt cttttatctc cgtccgnctt ctctectacc taagtgcgtg ccgncaccgc 180
atggaagatt cgatggacat ggacatgagc cccctgaggc cccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaaggtgg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacgggt t                                441

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<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

1936

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<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2569
gagaaaagca gggaacatga gatcgatggg cgatctatatt ccctgtacta tactgggagag 60
aaaggtcaaa atcaagacta tagaggtgga aagaatagca cttggagtgg tgaatcaaaa 120
actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180
gagaaaagcaa cttttatcaa agtaccacag aacaaaaatg gcaaatctaa aggggatgca 240
tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaaagg 300
gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaagcc 360
agaagccagc catccaaaac tctgtttggt aaaggcctgt ctgaggatac cactgaagag 420
acattaaang gagtcatttg acggnttcgg ntctggggcca aggatagttt actggcccg 480
ggaaaactng ggtncctccc aaagggggtt tgggtttttg 520

<210> 2570
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

1937

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
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<222> (228)
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<220>
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<222> (266)
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<220>
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<220>
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<222> (296)
<223> n equals a,t,g, or c

<220>
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<222> (306)
<223> n equals a,t,g, or c

<220>
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<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
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<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>

1938

<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 2570
gcagcgggctc cnggttcttg aagggccctga ccttcatggc cgtcgggagga ggactcgcag 60
tcgcgggggt gcccgcgctg ggcttcaccg gcgcgggcat cgcggccaac tcggtggctg 120
cctcgctgat ganctgggtc gcgatccctna atggggggcgg cgtgcccgcg ggggggctag 180
tggccacgct gcagagccctc ggggctgggtg gcagcaaagt cntcatangt aatattgggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
tgccctttnat ttttttttta tttttttttg aaananggtt ctcactatat tgnccag 416

<210> 2571
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)

1939

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<400> 2571

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agggagcaac	ggcaagaaag	aagtgtctgag	cggtttccaa	gtggtgctgg	aagacacagt	120
gcttttccct	gagggcgggg	gacagcctga	tgaccgtggt	acaatcaatg	acatctctgt	180
gctgagagt	actctgtgct	gagagtgtact	cgncgtggg	aacaggctga	tcatttcacc	240
cagacacccc	tggntccagg	aagccagggt	ctngtccgng	tagattggga	gcggagggtt	300
gaccacatgc	agcagcattc	agggcagcat	ctcatcacgg	cagttnttga	ccatctattt	360
aagctgaaga	caacatcatn	ggagttagg	agatttcgga	gtgcgattna	gctggacacc	420
ccctctatga	ct					432

<210> 2572

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

1940

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<400> 2572

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tcaaaaaaac ccactgaaat tgggagagct tcaaggaaac cacttcactg ttgntctcag 120
aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180
atttattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240
tggaagagct atactacaaa attcctggac agaagtcatt gatttaatat tgaaaccccg 300
ctctggagct gaaaagggct acttgggttaa atgcagagaa gaatggggcaa agaccaaaga 360
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaaatgt 420
atattcatag ctaccaaagc tatgtgtgga ataacatggg aagcaagagg atagaagact 480
atggactaaa cctgttccag gggacctcgn tctcaaagga cccagcccc tatattgagg 540
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg ttctgatggg 600
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660
ganatggcca cctgagaccc aaaatcnnaa ttt                                     693
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<210> 2573

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

1941

<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2573
tcgaggctga cggtgacggt gttgataatg agatcaaact gccccgccag tgcctttcagt 60
gcctgcggat cgcggtctatt caccacttta tcggcaccca tcgccagcac ttcttgcctct 120
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180
gcatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240
gtgcatcaac agtggtttta agaccgtgga taccgncgca caacagcggc cccgngggac 300
tcgatatcca atatttttct gggcagtgga attcacccat tgnccatncc gnacggaant 360
tttnggcaag ccaccgggat ttcaaactcg ggggnaccga acttggt 407

<210> 2574
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

1942

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2574

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ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcaactaaaa ctccagaaga aatTTTTatg 180
aaagttgaca gctgattcta aaattttaca tagaaatgca aaggtctccg aatagTcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt ccggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttgtt tcattggatt 360
ggntgCGgggt tttggattng acncacacng aattgtncct tggTTTTtta atagt      415
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<210> 2575

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

1943

<220>
 <221> misc feature
 <222> (187)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (191)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (192)
 <223> n equals a,t,g, or c

<400> 2575
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 ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120
 ggaaggggat aaaccacgcg ccaccatcca cgccagncgc accatgccgc tnctaagcct 180
 gcacagncgg nng 193

<210> 2576
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 2576
 gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc ccaaaaagcc 60
 tcccccatca ccccaacctc cagggaaaat tgagatcaaa attgtccgcc catgggctga 120
 agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180
 cttcttcaat atcttggtgc cgggagctga agaggccagc aaggaaacgcc agcggcagaa 240
 agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300
 cctggacgaa tttgacttct gagaccaaac agcagagtgg agctgagctg tggacctctc 360
 gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420
 ttgagacctc accgggcctg tgattttgct ctctgaact ctactcaa 469

<210> 2577
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 2577
 ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60
 agatatgtct ataagggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120
 atgggcttcc caccacaaaa tgcttattag cctaaaatgg cctgaaagct ctagtaatta 180
 aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240
 cttcgcttaa gtttctaact tttacttget ttttccagag ttattttatac caaatcctac 300
 aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578
 <211> 330

1944

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2578
gctcgtgccg aattcggcac gagcggcacg agtaagggtt cctgctttca cagaattatt 60
ccagggttta tgtgtcaggg tggtgacttc acacgccata atggcactgg tggcaagtcc 120
atctatgggg agaaatttga agatganaac ttcacccata agcatagggg tcctggcatc 180
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcactgcc 240
caagactgat tgggtgggat ngccaacatt tgtnttttgg ggcaaagtn aaaagaaagg 300
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

1945

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
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<222> (107)
<223> n equals a,t,g, or c

<220>
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<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
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<220>
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<222> (193)
<223> n equals a,t,g, or c

<220>
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<222> (215)
<223> n equals a,t,g, or c

<220>
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<222> (253)
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<220>

1946

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (296)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (315)
 <223> n equals a,t,g, or c

<400> 2579
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 cctggtggac tacaccctgt caancccgagc acgtgctgnt ganacancca gaaccgcggg 120
 cgggacgcac tgangagggc cntnagtcag tacctgacgg acaggggttcn ctggagggac 180
 tgaagacggc cnggccacc atggcggcac aacanccccc gatacccatg ccagtgtgtg 240
 tgccaaggat cancggtcac caccatgac tgctgccttc ggcacanggg cctngnccac 300
 tggatgtgac cttcntccat cat 323

<210> 2580
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (346)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (435)
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1947

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (508)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (510)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<400> 2580
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 gtttctccca attgctccaa atattcctca gcccgagcagg tgggggaaat ggccaagggg 180
 tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240
 tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaaagtcgg 300
 ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360
 cagccaggag ttcatccatc ttcaaggtct gaggggcacg ggatacaagg gtacactgtg 420
 gtcctgcagg aattnacca ccaattcatc ttnagaagct actcccaaag gctttggaga 480
 ctgcctcaga ggctggggct cggaggcn gn gcanggggtca ngcgtcaggc cttagtgttt 540
 ctgctg 546

<210> 2581
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

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<220>

<221> misc feature

<222> (438)

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<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

1949

<400> 2581

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gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cgggaaggaa aaggccccgg ttgggggttcc agggcgccgg taacgttaac cggcgccttg 180
cctgtcctct aaccgtcgct cctcctccc ctagaaagat gttctcgctc gtggcgcacc 240
tggcgcgggc gaacccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgcag canctnccca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
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<210> 2582

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

1950

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2582

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accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggg gggagcccaa cccatttga taggaatttt 180
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctggtct tccancagtg gctgactgaa agacaacnat 340
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<210> 2583

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

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aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aaatccaagt atccacagac ttcgccatgc agaatgttct gctgcagatg gggctgcacg 120
tgctggcggg gaacggcatg ctgattcgtg aggcccgag ctacatcttg cgctgccatg 180
gctgtttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac ccncggggt cgggtactcn cttcccactc ccaaangggg 360
gcaaataccc atcaacccca tctcnccaaa gatcaacnnt cctccactt gcaatctcca 420
aaaggccagg cnaaaaacca ctnttcccc taatactccc cg 462

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<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

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cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtac ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgcgg cggccagaca gtcaagagcc 180
tgcggatcca ggagcaggtg cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330

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<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

1952

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
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<222> (81)
<223> n equals a,t,g, or c

<220>
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<222> (95)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1953

<222> (162)
 <223> n equals a,t,g, or c

<220>
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 <222> (206)
 <223> n equals a,t,g, or c

<220>
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 <222> (208)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (239)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (265)
 <223> n equals a,t,g, or c

<400> 2585
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 tntttgcccct ccccttctcc nccatggctt cccancttga catgtctncc gtggtggggg 120
 caggggnaaa gcatacncca gactcttgn acaagtgttc cncctgggga ctctgtcaca 180
 agtcccatag aagcctctca agtcnntg cctctggaaa gnctctccaa ttacattcnc 240
 accaccctgt gccccaaaaa agggncceca tca 273

<210> 2586
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<220>

1954

<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2586
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aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcggaac 120
ctccacaggc taagggtgagt gccagcactg gcaccagccc tggccccggt gctagtcca 180
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300
tccagtacca tgagaatgac agtagcagtg agggggataa tgattctggt cagagttga 360
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420
cgaagaccta naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480
ct 482

<210> 2587
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>

1955

<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 2587
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gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180
tcagatgagg atgattgtga aagttagccc cgccccccct gcagagacag agtggttagaa 240
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatcccccta 300
agcacacctt ttgacaatga gttctacaat ggactctgta accgggacgc ggatggaaac 360
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420
gagaaaaatt tcanaaccga acattcnaaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2588
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

1956

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gggatggatc tcagcaaacg ggaatatattt gtgctttgtt aaatctctta gaaagtgcgg 120
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaa gctaggccag 180
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggg cttgatgggc 420
ca 422
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<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

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gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60
ctttgacaga tcctttgagg tgaacctgcg tgcggtcac caggtgtcgc agattgtggc 120
caggggctta atagcccgga agtcccaggg gccatcgtga atgtctccag ccagtgtctc 180
cagcgggcag taactaacca tagcgtctac tgctccacca aggggtgccct gggacatgct 240
gaccaagggtg atggccctag agctcgggcc ccacaagctg tcccgggtga gatccgagt 300
aatgcagtaa accccacagt ggtgatgacg tccatgggcc aggccacctg gagtgacccc 360
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420
gtggtgaacg gcacccctt tctgctgagt ga 452
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<210> 2590

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

1957

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

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<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

1958

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

1959

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 2590
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tggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc gccgtgggcc 120
tgtcgtgcca gtccctggggg cgagatcggg gtagaaatgc attttattct ttaagtccac 180
gtaagataca agtttcaggc aggggtctgaa ggactggatt ggccaaacat cagacctgtc 240
ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgc gacaggccat 300
gtgagccacc gctgncagca cagagcgtnc ttccccctgt agactggttg ccaactcctg 360
gaacactgac tgtggccccc ttctgtgatcc atncatcttc agggagcnag acatatgacg 420
caggaatgga aagcggagtt nctaacagga tgaaagtcc ccnatcantt cccccantnc 480
cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat ggggtgttggg 540
agcccttttn gagaacncca gnttttcag gcccctgcac ttatcgagtt ttgcaatggt 600
tacaancttt ttgatctgtg ttcacntga attcttttaa tataaanttt ctttttctct 660
ctttatctnn tt 672

<210> 2591
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1960

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
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<222> (162)
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<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)

1961

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 2591

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cncatatchnn agccccagca gcancgcccc aagcaacccc aataacaacg ccatggcccg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtcnagaa cgcggcatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaaantaa 180
cncaagctga agtgggtgtcc tgggtggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnacntg gaattttttn tt                                     322
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<210> 2592

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

1962

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 2592

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naaaaaagggg tcactatgga gttcaaagga cagaactcct gcctgggtgac cgggacaacc 60
tggccattca gacccggggg ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgcc tgcaccaat tcccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aagggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggttttacac agagaaatac aaaataaaaag atcacacatc 420
aagactatct acaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattn acancccc 518
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<210> 2593

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

1963

<221> misc feature
 <222> (506)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (508)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<400> 2593
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 cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
 ttacacctg aaactaaata cagaatgttc tatctctaca gattccaaaag gttttcctaa 180
 aaatataacc aacaacaggg ggaaaaaaaag ataccagat tccaaggacc tcacgatggt 240
 gctgaaaacc tatgacacca gcttcctgga ctttctccag aagggtgttg gtatggggaa 300
 cttttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattccntc 360
 agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antcccantt 420
 cttttttnc cctcttggag acaaggggaag ggacaagggt tccagggtn gtcattcactc 480
 ggagcagnaa aggcagatgg agattnancc aaagggttn ccaggggaaa ccaaag 536

<210> 2594
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
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 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<220>

1964

<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2594
gggtgnatgg ggtattttcac cacgtggngc tggctacaca tttggacaag acattttctga 60
aacctttaac catgccaatg gtctcacact ggtttctcgt gccaccagc ttgtaatgga 120
gggatacaat tgggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gaccacgcgc ctgctcgtgg tgagcctcat gttacacggn gcaccccaga 300
ctacttccta taaattttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttaa aaacanan 388

<210> 2595
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)

1965

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 2595

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ggggactcct gacatagcca gctgctgtga aataatggaa gagcttataa cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actataacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtgggtat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgcaa aaaaannn 418
```

<210> 2596

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

1966

<400> 2596

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gggcgcgcgag ccgcggtccg agcagaactg gggctccctt gcattcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaaggagg aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gacccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactgggatg gaacgttctc ctggtgcaat 240
gggagcgagt attaaaggtc ttctattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcatgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggnctgc tatggattcc cgcctcagtc ccttgcnctc 420
agatngaagg ttcactggnt tcac                                     444

```

<210> 2597

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

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<222> (358)

<223> n equals a,t,g, or c

<400> 2597

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ggagaagctt ccaggaatac atggcccaaa tggagaagaa gttggaggag gaaagggaaa 60
accttctcag agagcatgaa aggtctgctaa aacacaagct gaaggtagaa gaagaaatgc 120
ttaaggaaga atttcaaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300

```

1967

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt 362

<210> 2598
<211> 460
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (332)
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<220>
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<222> (397)
<223> n equals a,t,g, or c

<220>
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<222> (451)
<223> n equals a,t,g, or c

<400> 2598
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gatggataag ctggtgggtg agtacgcaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgtctt gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgctccaac agccctcctc tggaagctgc gtccctcac cccctgttcc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gntccaggc tatttttggt gcttaattac 360
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599
<211> 371
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (154)

1968

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2599

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tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnctgcat cccagatggc tgtgggggtca 180
agtacatccc cagtcgtggg ccctctggga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttcctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccgt aaccatttg gcccccttagg 360
nggttgtttt t 371
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<210> 2600

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1969

<220>
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<222> (292)
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<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (406)
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<400> 2600
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gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120
ggcaagaagg aacatagctt tgcnttncaa gtttagagtg gaattcgtgt gttgtacaga 180
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgttng cnggttctct 300
ggtncettgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
tggngnggctt tgnngctatnt catagcattt cagtaagtnt tcccantgta gggggg 415

<210> 2601

<211> 251

1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<400> 2601

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caccgggggtt gactccgggg gcgcggcgag gagagacatg aggctgagct ggttccgggt 60
cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251
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<210> 2602

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

1971

<221> misc feature
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<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
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<222> (167)
<223> n equals a,t,g, or c

<220>
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<222> (172)
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<220>
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<220>
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<222> (181)
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<220>
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<222> (185)
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<220>
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<222> (189)
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<220>
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<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1972

<222> (219)
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<222> (223)
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<222> (226)
<223> n equals a,t,g, or c

<220>
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<222> (288)
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<222> (322)
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<220>
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<222> (324)
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<220>
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<222> (326)
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<220>
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<222> (367)
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<220>
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<220>
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1973

<223> n equals a,t,g, or c

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<221> misc feature

<222> (437)

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<221> misc feature

<222> (458)

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<220>

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<222> (459)

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<220>

<221> misc feature

<222> (492)

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<220>

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<222> (515)

<223> n equals a,t,g, or c

<400> 2602

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gagggtcccc tccccactaa gtgcctcttt gcatagnacc agtccccacc cgnacgggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaaga tctgtcaatt taagctggnt ctncnngggg agtcttcggt 240
aggcaaatcc agccttgtcc tccgcttttt caagggncnaa ttttacngnt accacgagag 300
cacaatttga gcgggctttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
gggcccagtt tcatctngct ttttaatacc acacagtnna ttttaagggc cagaattggt 480
taagggctta anggaagcca cccacaatgt aattnaa 517

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<210> 2603

<211> 505

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (13)

1974

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

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<220>

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<222> (52)

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<220>

<221> misc feature

<222> (132)

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<220>

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<220>

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<220>

<221> misc feature

<222> (387)

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<221> misc feature

<222> (389)

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1975

<220>
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<222> (392)
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<220>
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<222> (393)
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<220>
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<220>
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<220>
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<222> (483)
<223> n equals a,t,g, or c

1976

<220>
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 <222> (492)
 <223> n equals a,t,g, or c

<220>
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 <222> (498)
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<220>
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 <222> (500)
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<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

<400> 2603
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 ttctaaagaa aaactagggga ttttagaggac gtttgggcac tgaacgcaan tttctgcata 120
 ggaaacctag gngatcccc aaaagagggtc cctctggtag gccctcgaga tgctgctggc 180
 ggcttggggg aaatcctcat tgacgattca atttgttgaa ggccaatttg tggactccta 240
 cgatccaacc atagaaaaca cttttacaaa gttgatcaca gtcaaattga cangattatc 300
 atgttnaact tgtagacaca gccggggcaa gatgaatatt ctatcctttc cctcaggaca 360
 tactccatag atattaatgg gttatantnc tnntgtantc ctggnacacc attcaaaagg 420
 tttgnagggg ttaagttat ccctgggcaa tngtgggtat ngtgggggaa ggacaataac 480
 cnntttgttg gntgggggntn agnag 505

<210> 2604
 <211> 171
 <212> DNA
 <213> Homo sapiens

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 <222> (5)
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<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (23)
 <223> n equals a,t,g, or c

1977

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
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<220>
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<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
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<222> (146)
<223> n equals a,t,g, or c

<220>
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<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2604
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cacngaattg gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacggtggat cgacccttgg ggccanggae ccnggtcac cgacnactca g 171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
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<220>

1978

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<220>
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 <222> (349)
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 <222> (423)
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<220>
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 <222> (430)
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<220>
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 <222> (432)
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<220>
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 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (467)
 <223> n equals a,t,g, or c

<400> 2605
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 gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
 cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
 agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
 aaggatgcca aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagtgcga 300
 tgcagcagat acctttacac cctgggtcatn actgacaaag agaaggcana gaaactgaag 360
 cagtcctgc cccccgggt tggccagtga aggaactgaa atgaaccaga caacactgat 420
 ttngaactgn cnttatatta aaatactaaa natectaata tattcan 467

<210> 2606
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
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1979

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<220>
<221> misc feature
<222> (87)
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<220>
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<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
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<220>
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<222> (144)
<223> n equals a,t,g, or c

<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<222> (275)
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<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
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<222> (300)
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<400> 2606
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tcaacatctg tggtggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120

1980

agctcacagg gcagaccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttgagaa nggtctaaag gtgcgggagt atganttaan aanaaacac ttctcagatn 300
ctggaaactt tgg 313

<210> 2607

<211> 324

<212> DNA

<213> Homo sapiens

<220>

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<222> (85)

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<220>

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<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

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<222> (222)

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<220>

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<222> (233)

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<220>

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<222> (234)

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<220>

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<222> (269)

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<220>

<221> misc feature

<222> (299)

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<220>

1981

<221> misc feature
<222> (317)
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<400> 2607
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gatatatgtt ctctaggcct ttanaaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat ggggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc cannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaattgnc 300
gtattgagca cattaancac tcta 324

<210> 2608
<211> 625
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (524)
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<220>
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<222> (552)
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<220>
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<222> (563)
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<220>
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<222> (567)
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<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

1982

<400> 2608

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ncgccgaaag cgaagaagga agctcctgcc cctcctaaag ctgaagccaa agcgaaggct 60
ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ccttcggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttcgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggcca acaccctgat tcggcctgat ggagagaaga aggcataatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcactctaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacnctg tgcattgccga cgtcttagct 600
ctntatagt ggtcaccta aaatt                                     625

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<210> 2609

<211> 151

<212> DNA

<213> Homo sapiens

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<222> (49)

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<220>

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<222> (90)

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<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

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<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2609

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ggcccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tgggtgcttgt 60

```

1983

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
 cctcanatcg cccctacagc catgcnctgg t 151

<210> 2610
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (427)
 <223> n equals a,t,g, or c

<400> 2610
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 cgggtccggaa ttccccgggtc gacccacgcg tccgggtcgcc gctgcgaggagg gagccgcccgc 120
 catgtctgcg catctgcaat ggatgggtcgt gcggaactgc tccagtttcc tgatcaagag 180
 gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcgaatt ccttccgcta 240
 caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttcttg 300
 tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgcaca catcaacaga 360
 tgtccgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420

1984

ctctccncaa c

431

<210> 2611

<211> 142

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (29)

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<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

1985

<220>

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<222> (138)

<223> n equals a,t,g, or c

<400> 2611

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ggcacgagcg caaagaaggg tngcgagann aanaaaggcn gttctnccat caacgaatga 60
taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcactcnaa ga                                     142

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<210> 2612

<211> 518

<212> DNA

<213> Homo sapiens

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<220>

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<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2612

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gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgaggttg tctgcaggca 120
ctcagaatgg tccagcggtt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggg tgtcccgaac ccctggtaat agaattgttt acctttatac caagaagggt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg ggttcgtgct 300
gtaagaccta aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttggtgaa agtggtgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa ctttttttgag taataaaaaat gaaaagac                                     518

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<210> 2613

<211> 269

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

1986

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
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<222> (141)
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<220>
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<222> (213)
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<220>
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<222> (244)
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<220>
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<222> (259)
<223> n equals a,t,g, or c

<220>
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<222> (269)
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<400> 2613
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acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct ccctatcagg 120
agttcactga ccacctcgtc nagaccacaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag ggtttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

<220>
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<222> (6)

1987

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 2614

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gcggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtcccca ccaaagcca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

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<210> 2615

<211> 293

<212> DNA

<213> Homo sapiens

1988

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<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (54)
<223> n equals a,t,g, or c

<220>
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<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
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<222> (262)
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<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

1989

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cgtgtctgtt caaaccggca cggctctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggg ttcattaagt tggactanat gctcttcctt 180
cataggatta tccgggggcat ctactcaatg aaaaaccatg ataattcttt gtatataaaa 240
taaacatttg aaataancctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293

<210> 2616
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
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<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
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<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
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<222> (313)
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<220>
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<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2616
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gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtggtcc 180

1990

gaatcagngg tgggaacgac aaacaaggnt tcccatgaa gcaggggtgtc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtgggt gcattgtn 338

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

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<220>

<221> misc feature

<222> (325)

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<220>

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<222> (336)

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<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

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<222> (357)

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<222> (376)

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<220>

<221> misc feature

1991

<222> (380)

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<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<220>

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<222> (400)

<223> n equals a,t,g, or c

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<222> (421)

<223> n equals a,t,g, or c

<400> 2617

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cacagttgag ggaccacacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgataggtgt ttgcactnca tcttgggctg tgtaccatt ggcaaatgca gggaggattt 180
tggtgggttat tactgccctt gccatgggtc acacttatga tgcactctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tccccacgg tattgagttt caccagtgac 300
ggntattggt ggatttggtt ggttnaagag actttnnggac ttcaagncca taagggnnttt 360
tttttcagtc ctttanggtt caaccccgag ggggcttttn ttttggggga gggaggcctt 420
nt 422
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<210> 2618

<211> 493

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

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<220>

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<222> (384)

1992

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

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<220>

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<222> (409)

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<220>

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<222> (412)

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<222> (417)

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<220>

<221> misc feature

<222> (419)

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<220>

<221> misc feature

<222> (437)

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<220>

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<222> (438)

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<222> (444)

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<222> (457)

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1993

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<222> (461)
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<220>
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<222> (474)
<223> n equals a,t,g, or c

<220>
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<222> (486)
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<400> 2618
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tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaacttttng gntttcngna 420
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttgggggt ttttctggca 480
gttatnggaa aat 493

<210> 2619
<211> 439
<212> DNA
<213> Homo sapiens

<220>
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<222> (150)
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<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

1994

<220>
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<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
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<400> 2619
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ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120
ccgggggtcaa ccctgaagat cacaggcagn atcgccgatg gcaactgatg ctttgtaatt 180
aatctggggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccagggtc agagggtcaag ttcacagtga ccttttgaga agtgacaaat 360
tcaaagggtga aacctgccaa aatgggcacg aactggnttt ttcccaacaa ggcttgggggt 420
cacaanncna ccttaanct 439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

<220>
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<222> (284)
<223> n equals a,t,g, or c

<220>
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<222> (330)
<223> n equals a,t,g, or c

<400> 2620
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cccgatattc gggcagcgag ggcagcacgc agaccctgac caagggggag ctcaaggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccagggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggn 330

<210> 2621
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1995

<222> (12)
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<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
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<222> (79)
<223> n equals a,t,g, or c

<220>
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<222> (268)
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<222> (273)
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<220>
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<222> (282)
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<220>
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<222> (296)
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<220>
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<220>
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<220>
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<220>
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<222> (346)

1996

<223> n equals a,t,g, or c

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<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

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<222> (366)

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<222> (379)

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<222> (401)

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<222> (405)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (414)

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<220>

<221> misc feature

<222> (417)

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<222> (428)

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1997

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<222> (433)
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<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (492)
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<400> 2621
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cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctaccaaac cgaccatttg gcctttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240
gatatatgga taaagatggg tatttctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctggttn tcgatttggc ccctttgggt ggnaaatccc ccattnnac cccttanttt 360
agagtnccct ttttcaaaang ccnaccct tcaaggggg nggtnaaagt tttnggnttt 420
aaaaccntt tcnangncca nttcagggcc ccttttaagg ggttcgggg cttttaaaaa 480
ctccgggcct tnaatttccc cagggggg 508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

1998

<220>
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<222> (115)
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<220>
<221> misc feature
<222> (200)
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<222> (257)
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<222> (294)
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<220>
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<222> (307)
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<220>
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1999

<220>

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<222> (312)

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<400> 2622

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gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcataaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaananciaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaa nnaagggcgg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a 361
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<210> 2623

<211> 407

<212> DNA

<213> Homo sapiens

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<220>

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<222> (14)

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<222> (57)

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<222> (80)

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<222> (101)

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<220>

<221> misc feature

2000

<222> (104)

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<222> (137)

<223> n equals a,t,g, or c

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<222> (236)

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<222> (290)

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<220>

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<222> (339)

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<400> 2623

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gcctggacag tcctgtgnacc gtggagtgga aggcacagtc tgattctgcc cggagtaaga 180
cattgacggg agctggggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240
tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacaggggtn ctgacctacc 300
gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctgggttcang 360
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2001

<210> 2624
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<212> DNA
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2002

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cgggnaagtg cgaaggctcg gagcaccctt gcccggctgt gaattgctgc caggactgt 180
tgcactnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtncctttaa cggaattaaa ggttcccccc attgcttcca 300
aan 303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
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gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcatcgga 120
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<210> 2626
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<213> Homo sapiens

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2003

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<400> 2626

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cgcaagcttc caacccccgtc gtctgcacgc aagccaaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttcct cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcattcaacc ctctactggg tgttatagcg tntcaactgc 360
cccnnggggga agaaaaaaat cngtggttcct nttttcaaac ttctcc 406
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<213> Homo sapiens

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gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcncc tgnatgaatc 180
caagagtcgc atgcagcaga agctgccctg agtcaactncc acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct ccctgaaggg gaaaccactc 300
cagaagggac ccangctacc caggggntgg ncna 334

<210> 2628
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<212> DNA
<213> Homo sapiens

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2006

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cctggtggca aatggggccc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcacccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accacccgca ctcgggccccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300
ggttagggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttntctgac gaagctnaac gaagaatact 420
cttggaang tgacccctgc cttnttgccc tctnantaac ccccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaaggaag tgggnanaaca tttaagcttc 540
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<210> 2629

<211> 335

<212> DNA

<213> Homo sapiens

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<222> (55)

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2008

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<220>
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gtncacagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatacctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg taccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggcg ggag 335

<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens

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<221> misc feature

2009

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<220>
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agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga 117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

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2010

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agacaatcgc accacagaat gctccaagag atgagtc tag gggccgttcc tcgttttatc 120
ctgatggttg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaaagag gcttcaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccc ggaatnctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt 488

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<211> 103
<212> DNA
<213> Homo sapiens

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2011

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tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633
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<212> DNA
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2012

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<222> (651)
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<400> 2633
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ccgcttcttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgcacaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtca accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt tttttagagt gctggttcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acgggttaaaa gagancatag ntaataattc 660
tgnnggtctc catttagctc ttagca 686

<210> 2634
<211> 354
<212> DNA
<213> Homo sapiens

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2013

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<220>

<221> misc feature

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actacgccta	cgaggtcatt	aagcacaagc	tgtgccgacg	aggaaaatgc	cagaaggagg	180
ccaaaaggag	cagtgcggac	aagggcgtgg	ccctcacctg	gacgacgtca	aaagacacaa	240
cccgttgcca	gaaccttcgg	ggccaccctg	ccgggatgac	atacgcttgg	caacattcta	300
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<210> 2635

<211> 620

<212> DNA

<213> Homo sapiens

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2014

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2015

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<220>
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2016

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<220>

<221> misc feature

<222> (613)

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<400> 2635

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anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggg gctgctgtga ttgancacga gcgagtccag aagaccttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtinnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggtcntct tgtttttaat atccggcatt ntgaaatata tcanacanga 420
ctttaaattg tctattttgt tgcggtatcan gttaatgtta caaggatatt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngtttttn                                     620
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<211> 153

<212> DNA

<213> Homo sapiens

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2017

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<223> n equals a,t,g, or c

<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (148)
<223> n equals a,t,g, or c

<400> 2636
gencgagcgg gtactaccn ggcggtatn gaggggetcc cggatggcct gentttcccc 60
gacatcctct ggatcctctg ttggttntct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
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<220>
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<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2018

<222> (238)
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<220>
 <221> misc feature
 <222> (243)
 <223> n equals a,t,g, or c

<220>
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 <222> (261)
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<220>
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<220>
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 <222> (293)
 <223> n equals a,t,g, or c

<220>
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 <222> (335)
 <223> n equals a,t,g, or c

<220>
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 <222> (351)
 <223> n equals a,t,g, or c

<220>
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 <222> (371)
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<400> 2637
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 cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctccctccgtc gccggcctcc 120
 gcgctgcgcg gcccgctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180
 cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggmggccc ggcctccngc 240
 ggntcgcgg accctgcgc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
 aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
 aaacccttcc naagatg 377

<210> 2638
 <211> 479
 <212> DNA
 <213> Homo sapiens

2019

<220>
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<222> (14)
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<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2638
ggaaaaaatta atanctccta gaacaaaagc tataattcca gttgatattg gaggatttcc 60
agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaaggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaag gaaagaaaat aggaagtgtg gcagatgtaa cttcattttc 240
atttcattgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaattttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgnatgcca 420
ggatacaaat gnnatatgac ngatattatg gcggctattg ggttaatcca cttnaagat 479

<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens

2020

<220>
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<222> (287)
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<220>
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<222> (300)
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<220>
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<222> (370)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (402)
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<222> (405)
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<222> (408)
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<400> 2639
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gatctggaga cactaataat tttccttatac tggaaaagac agccaaaaaa gtgtaccagc 120
gcatacccgcc tccagcctga ggacgtcaac ctgcgggtca tctcgggaata tcagaagctc 180
tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
gcagtggctc tgggggccaa ggtgttgga cgtcacataa ctttggncaa gacctggaan 300
gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360
gcgtcttgn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2021

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 2640

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acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttcccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (208)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

2022

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<222> (359)

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<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

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<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 2641

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aaaaaccaca ctaggcaaag aacttgcgtc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa ttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctccnccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc                                450

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<210> 2642

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (173)

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<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

2023

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<220>
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<222> (227)
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<220>
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<222> (240)
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<220>
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<220>
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<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
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<220>
<221> misc feature
<222> (305)
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2024

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<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
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<223> n equals a,t,g, or c

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<222> (350)
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<220>
<221> misc feature
<222> (364)
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<220>
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<222> (384)
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<220>

2025

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 <222> (475)
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<220>
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<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (493)
 <223> n equals a,t,g, or c

<400> 2642
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 gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
 gccggtccac ctcacagcct tcttgggata caaggctggc atgactcaca tcntgcggga 180
 attcnacang gccggatcca aggtgaacaa aagagttggt tgaagcnttt tacatttttn 240
 aaaaaccng ngnttttttg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300
 ttttntttta ccccttnnaa tcanaaggnt ttttttnaaa tggttntttt aaaaaagctt 360
 ccnttttcca aatggggaga agangggnaa cccggaagaa tcccccaaa atttcttttc 420
 cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
 aggcccaaan aanattctta catttttggg aaaaaaatcc gttaaggag gaagttcctt 540
 ttgccaaaac 550

<210> 2643
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (17)
 <223> n equals a,t,g, or c

2026

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
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<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

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ctgcagggtac cgggtccggaa ttcccgggtc gaccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgcccc gaacgtacca gggacataac aggtctcaga gaggctactg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

2027

tcctgtttat ttacagtatc tgttggtgnt atagnactna ctgnttttnt atttt 355

<210> 2644

<211> 397

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

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<220>

<221> misc feature

<222> (159)

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<220>

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<222> (190)

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<222> (199)

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<220>

<221> misc feature

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2028

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<222> (229)
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<220>
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<222> (266)
<223> n equals a,t,g, or c

<220>
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<222> (273)
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<220>
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<220>
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<220>
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<222> (354)
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<220>
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<222> (379)
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<220>
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<222> (395)
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2029

<400> 2644

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cccggttcga nccacgcgc cgcggacgcg tgggcccagc ctgggcccgc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnngtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagacca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttcnagcca tccttgctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag 397

```

<210> 2645

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

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<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<400> 2645

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ggtggaggcc acatgcgcct gcctgcttgc tcagggagaa gaggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaaggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct 250

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<210> 2646

<211> 361

<212> DNA

<213> Homo sapiens

2030

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<400> 2646

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atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc ttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cgggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g 361
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<210> 2647

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (8)

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<220>

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<222> (13)

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<220>

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<222> (17)

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<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

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<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2031

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

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<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 2647

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gcaagcnneg ccnccannca tcactaaaag ggancaaaaag cnttgagctc caccgnggtg 60
cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctggt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacia                                     260
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<210> 2648

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2648

2032

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ctaggccgtc gctttcgggt tctctcatcg cttegtcggt cgccaatggt tgaggagaag 120
gccagcagtc cttcagggaa gatgggaggc gaggagaagc cgattgggtc tgggtgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatattac acacgtcttg agatgtataa tataactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggnccg tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagng ncacctaata 420
t 421

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<210> 2649

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

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<220>

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<222> (587)

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<220>

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<220>

<221> misc feature

<222> (678)

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<220>

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2033

<222> (681)

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<220>

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<222> (706)

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<220>

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<220>

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<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 2649

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cgtccggatt ccctcccga cagttaaccg gaagagtaca gacagcccgg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggatattgt 180
ggtcacatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaattg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatatgac 420
ctgttattac cattagcatt ctgggtttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caagggttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aaggggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcctaa aaaatctggg tgggactttt gaaaagcttt tttttttttt 660
ttttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaatgg ctggcctaaa ccttccgagt 780
agntggga                                     788

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<210> 2650

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2034

<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
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<222> (267)
<223> n equals a,t,g, or c

<220>
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<222> (278)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2650
ggtganaagc gaatatccct ctataaaact ggtggtggag tggcaacttc aggatgacaa 60
aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcadc tctaagtgcc 120
tcattgagtt cgggtgcatt ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
tctgctgctt caacaacagt gacttgctct ccaatggat ccagtgattc gttgaanagg 240
agggtgctctg tagcagaaac tgagctnccg gtggctgntt ctcaatggnt gctcatgtct 300
cttttctgct tangtggttc attaaatgca ccacttggtg gcaatgttaa tnttttttta 360
acacnttact tgggggnt 378

2035

<210> 2651
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (173)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (209)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (220)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (225)
 <223> n equals a,t,g, or c

<400> 2651
 gcctcaagca gcggcggtcc cttagtgcaca gtgtctacac ccctccacca agtgtccccc 60
 acgggcctgg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120
 gggggccccc tccccctgtc agcaccctga cagcactgca cagnttggag canacatccc 180
 caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240
 t 241

<210> 2652
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (356)
 <223> n equals a,t,g, or c

<400> 2652
 gacctgtcaa aacatatcaa gacccaccag aataagaagg gaggcccagg tgtagctctg 60
 agtgtgggca ctttgcccct ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

2036

ccttcagccc ttattaccac caatatggta gccatggagg ccatctgtcc agagggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccgggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaataatgc atggtgt 377

<210> 2653

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

2037

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>

2038

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 2653

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aattcggcan agcaggggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtgggc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnnccccgg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccgggctctg ccaggnaaag tactttgggc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaatth caccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtcceaag gggtccaagg gggtccagtt agggggaant tttgggtggcc 360
cctgccctgg gcccttgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattccnt ttttnna                                     496
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<210> 2654

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

2039

<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2654
aattcggcan agcctaaata caacagggac actctggaca atgacatcat gctgatcaaa 60
ctctctcac ctgccgtcat caatgccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact ccggctgggg caacactctg agctttggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggt gctgaccag gctgagtgtg 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtggggct tccttgaggg 300
gaggcaagga ttccttgcca gcgtgacttt ggtggccctg tggctctgcaa ggacagttcc 360
aaggggttgt ctncctggggc caggggtgtgc tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntgggtgcaa cattaagccc ggtnccttng 480
atttttacca taanggct 498

<210> 2655
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>

2040

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
gaacgcttct gtgagacttg ataatagctc ctctgggtgca agtgtggtag ctattgacaa 60
caaaatcgag caagctatgg atctagtga aagccatttg atgtatgcgg tcagagaaga 120
agtggagggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tnttgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccgc 300
cagccagtat nntagggctc angaccaacc gcatan 336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

2041

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
ggagaataca gactatgtga acgcatacctt tattgatggc taccggcaga aggactccta 60
tategccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccgagtac tggccatctg atggactggg gtcctatgga gatattacag tggaaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctggtcacca acaccaggga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgcgga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
agggaaccac cccatcaccg gtgcactgca gcgccggggg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg gancntgtg aaancanagg ggattttgga tgtcttccag 540
actgtcagag cctgcggctt tcagagggca cacatggtcc agacactgga acantttttnag 600
ttntgggttcc nnggtggtgc ag 622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2042

<222> (463)

<223> n equals a,t,g, or c

<400> 2657

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gctcgccggg gctgcggccg cccgaggctg ccctgaggat ctgtgttttg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggttct tttgatccca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcggggcct ctcagagctc cttcatcggg 240
actttgaaca tgtcggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaagggga ctccgtggga aggaggcttg 420
tttaactac ggatgctttt caaagatgat tatccatctt cgncaccaa atgtaaattc 480
gaaccaccat tatttca 497
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<210> 2658

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 2658

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tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagcccaa acttggttaa ggtatggcag 360
gagggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tgggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaagtgtta gaatgaaat acaagtggca cccgtaaatc tgaa 584
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<210> 2659

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

2043

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tgggtgttgcg cctgcgaggt ggcattattg agccttctct 120
ccgccagctt gccagaaat acaactgcga caagatgac tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn 358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)

2044

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 2660

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gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccc caacaagttc aaccagggtg agagtataa gcttcgaatg gacagagcca 180
tccttgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtggtca 300
gcgtgcttaa gaaaagcccc ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac ggggttcgggg ggccgatgct gcccaagcca 480
aggtcctgac cttcctggac agtcactgcg agtgtaatga gcactggctg gagccccctc 540
tggaaagggt ggcggaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggaccaa ctttcantnn tgtgggggca tctggctnga cttt 644
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<210> 2661

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2661

2045

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ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagacg aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgta 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atttttctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttaciaat gcaagggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatatatta                                     439

```

<210> 2662

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 2662

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tgacaaaaag cctatacgat atgcaagant tgtatttntt caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgtc tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatectggca 300

```

2046

<210> 2663
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (350)
 <223> n equals a,t,g, or c

<400> 2663
 ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
 tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
 ctccatagaaa atagtttggt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
 caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
 tttaaattac tccttttccc tggcttgcct tattccacat ccacctaagt ccatctgtct 300
 ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaacct 360
 gaaattgcaa gacacttgag aaacttctag taacctata tgtaatcaca tgttaggtaa 420
 tcaacttttt gcagggttatt ttcaattact ctcca 455

<210> 2664
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (64)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (288)
 <223> n equals a,t,g, or c

<400> 2664
 taaaaactaa gtttccaagg cagtatgctg tggctcctga aaagtccttt agaagaattt 60
 tctngaataa atttagagaa aacctaatg tttcctagg gatgcttacc aactcctcgc 120
 ccctcccccg ccgcctctct tttattttta ttgtgactca gggttaaata caaactacta 180
 gcagctggtg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
 gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgnng gaatcctcca 300

2047

agtgccacct ctgactaata ttgggctgtt gccaggaaaa cccaactttg ggatttcaag 360
ctattacttt ccgtgcaacc cctgggtgctt gactattcaa ggggacagct ct 412

<210> 2665

<211> 366

<212> DNA

<213> Homo sapiens

<400> 2665

agcagggtcg gcagtgaaga gcagagaaag gcagttgggg atgttgccac tgtcccccca 60
gaccaccctg ccatggagac gagggagctg tcccttcgcg gaagggggct ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gaccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg tttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tctcagcgg gtctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt ttttaaggat 360
gcacgg 366

<210> 2666

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2666

gaattttaat agtaaaatct tataagtggg tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatatct aagtataatt tagtggtttc tggaaagaaa tcaaatgtgt 120
ttctgtgggc attcacatct tcttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc ttttaacctaa aaaaattaaa tagtcattca gcttacagggt 300
ctgcttaaaa aacagaacat ttttttagct nttttgaacc aattttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac attttaggca 420
ctcatttcag tattttcttt ctgcttacat tag 453

<210> 2667

<211> 479

<212> DNA

<213> Homo sapiens

<400> 2667

gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaagggt caggggaacgt tgctgggtgg tgagatggaa ccctgatgtg 120
gaggctcagc aggaagaagc aggaaggaca ctgggcccc ggtggtttta gttccagaaa 180
caaattgtggg ccccgaggct ctgcaatggg aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatcccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaacctct ctctgatttc aaaccaccag tccctttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttcagatc agggagctga gatattctca gctcagggtt ctcttctgag cttcagacg 479

2048

<210> 2668
<211> 450
<212> DNA
<213> Homo sapiens

<400> 2668
ccgcataccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccg agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccatactaaag ctttctttcc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450

<210> 2669
<211> 507
<212> DNA
<213> Homo sapiens

<400> 2669
cgctccccc tccctgctct gctctgaggt gccagccaga gccgctcagg gtccctccgtc 60
cggtttcccg tgggcctaac agcagggccc tggggccacc acccgcacct ccctgcctcc 120
atctcagaaa ctgaagcctg ggagccccct gggccacctg agtctgggag acgcaagcca 180
atcccgggga caggccccgg ccccttcccta gtgaggggca cgctctgggc aatcgtgggg 240
cagagaaaatt tgcttttttaa cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccaaagtttt attggaaaat tatatataaa attcttatat acatttttagt 480
aagcctccat cttagtatct aaaactt 507

<210> 2670
<211> 404
<212> DNA
<213> Homo sapiens

<400> 2670
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaa tcttaagatc 60
tgtatttttt atagttttata aaagtttttt tgtgatacaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat ttttaagatat 180
ttaaaaaatat tttctgtaat ttcatgaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tgggttaagct attttttaatt ctagggggct 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aatttttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404

<210> 2671
<211> 414
<212> DNA
<213> Homo sapiens

2049

<400> 2671

```

gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtaggggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatata ccttggttcag gagacaaaat 360
tgctcccaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414

```

<210> 2672

<211> 445

<212> DNA

<213> Homo sapiens

<400> 2672

```

cacgcaagca tggtaggact tgctgggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccggtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaaggagc cgggctacgg ggccagggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgccctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtggtcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445

```

<210> 2673

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 2673

```

gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtagaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagaccca gcctttccca aagagtgaac 240
aggtatatatt acattttctg tcagttgtta cagaagatgg ccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366

```

<210> 2674

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

2050

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 2674

acnccctcat aagggaaaca agntngngtt ccacnggtga gnccgtnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgctgtgtt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgccc tgctgcagtc ttatgcattc ttagaaacca gat 233

<210> 2675

<211> 547

<212> DNA

2051

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 2675

```
gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgag gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaataag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta ccttatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctgggtgcta gaggggtggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaatgtta gtgggtgcctc tgcagaggta gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcttgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt                                     547
```

<210> 2676

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2052

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2676
ancctcacta agggaacaaa gctggngctc caccgcggtg ncgncgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgac aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacaccctt taacagcatc caggaggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcagggt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttggtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t 581

<210> 2677
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>

2053

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 2677

```
nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcca cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg ggccgcgaag 240
ggctcacgta atgactccta ctccctggtga gcgcaggcgt tgcggaactc accgtcccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgcgg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggctcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcatte aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgctc gttccgatga aggaagaggt tctgaacctg ttaagcagat 600
tggttaagta tccccagca gtccaacatt tggttgacgt tggtgcagta g 651
```

<210> 2678

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<400> 2678

```
tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agcttttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtgtttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttgc 180
cggccacacg cacctgcgac ctcgtagcaga aacgtgcagc agtgctttcc agctgggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcaggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg 326
```

<210> 2679

<211> 343

<212> DNA

<213> Homo sapiens

<400> 2679

2054

ccatcctgtc ctgccaagtg tacatctcgc agatcctggt ggcctctgcc cttgggggcg 60
tggtcgacgc cgtgggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttccctgggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttgg ccggcgaaagg cagggccggc gggaacagcg 240
aaaagccac cgtgctgaag ctccacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343

<210> 2680

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

2055

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 2680

```
gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc ttttaagaatg 60
cttaaaaaag ctaatcccta aaatagttag atctttgtaa atgcatatta aataataaag 120
tatgaccac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc cccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca      354
```

<210> 2681

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2056

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 2681

```
tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgccct gccaga                               156
```

<210> 2682

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

2057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

2058

<400> 2682
aggcctgcnt ccagggtctgg nctgaaggcc tnacccctcc tgcnghaaaag ctggccgcen 60
aaanaatgtc tctnagagac tgcgagaacc ttttaattttt tnccggctgg ttcggatttg 120
gggttgattt tggttttntt cccctctctc caatntcccc cacccttcc ccgncctttt 180
ttttttttt tttnaaaann ggttttttat nttgaaatt 219

<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2683
cctgccgccc ccagctttgc ctggacactg acttcattca tggctctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcacc cacaagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaannn 280

<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2059

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 2684

```
ggcacgagga aaaagcccg c ttcagaaaag cttgtcatta tccataggat acgataactta 60
atatttacgct tccttatttc ttaggtgggc cacaattagt gaaaatctgt ttgcaaccac 120
tggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
catcctcatg gggtctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
ttcnagtacc ttagattcac aaactttgtn tttttagtag anatttggaa gaattccnat 360
agtaccacan ttggaag 378
```

<210> 2685

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

2060

<400> 2685

```
agagagagag agagagagaa cagtctcgag tttttttttt ttttttttaa tgtaaagatt 60
ttattttacaa agcttttttg ttgtacagaa agtaaaaatg ctgttacaat ctcagtgtaa 120
ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaac ctaacaacgc ttacaatttt tttgggggtga agtccacaag cttgggtggta 240
gattaccaag aggactaca tggaaggaag gcggaatgtc acaggaacta ttctttggct 300
cttnggggtgg gtgggtgtcc tgggggtttgt atcacagcta cttttttttt ttttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcaggtcac 420
tggggtct 428
```

<210> 2686

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

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 acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180
 agtactctta ctgcctcttt tctaaatgtt caggaaaagc attgccagtt cagtcttttc 240
 aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgtt tatttttnaa 300
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 gggcgcacca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg agcgcacgtg 180
 ttaggacccg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
 aggtccgtag cggtcctgac gtgcaaactc gtcgtccgac ctgggtatag gggcgaaaga 300
 ctaatcgaaac catctagtag ctggttccct ccgaagtctt cctcaggata gctggcgctc 360
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ctttaaaaaag cagaaacaaa accagaatta accccaaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240
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 cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
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 cccttgtnntt acacaatggt ngcttatggt ggattgggtn cacngaggnt tnnngtntna 360
 tnagntttna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
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 ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatgtt 360
 atagttggan tanttnatta cattattttg ggttgnccan tttttttaaa aaacagttan 420
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2071

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caatatatttn canatggnca cacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
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gtgaaataaaa agcctgcccg ctgctgcctc tgagactcag ttattagtag ccatggaagg 240
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cccatatgng ggaggttaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
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gcatcatgtt tgcaactgtc ctgttgaacc aaagcaaaag tttcatgaac cagcctaggt 180
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2088

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ggnccttttg gatztatgag gaaangtggg gangggngnc agggngnggt tnttgggggg 420
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nagccgagtg cttgtnatgn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420
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attattaatt accnccagtt aacttcaca tggnnnttat tgcntngnn ncggtagttt 420
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2117

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cgttagtaaa atagaaatgg ctttacaatt atccattaaa tataaattaga tatttgcttg 180
atttaactgt gaagcttatg tctttngttg agagtttctg ggattcaggg ggtcttggat 240
agaggacat gatgaagtat ggagacatgt tctcagtgcc tagaccagca gctaaagncc 300
agatccaggc ccattcggcc ccttctttcn gtggnttccc cgnttttgcc cttcggggtn 360
tttttagggg ggggttgggn cccccgggt tnggcctnca aanttnngtc tttngncccc 420
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 gcaggcaacc cgggcggggg accgggactc ccggagagcc cagcaggcca aaggctttgt 180
 ntcttccaca gagcgtttcc ntgggacttg tggccctcct ggcgtccaga aaccttnttn 240
 gncctccatt gcactgggtc ctgctggcat tagctctggt gaacctgntn ttgtncctgc 300
 ctgttncttg gggcttcttt tgttgtgtta attattgtgg gncaagntng gcnnnngntt 360
 nattgttnna tnnnaannag gatttttttg atctttggta acaatggggn gaggggngcg 420
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gngaccaacg tttgcactag tttccagggc gtcctgggtn gttttntgca aagccccggg 180
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cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctccttttag 240
acaattccat actggaaaat aatttcccca catattccat tnaggcaagt aagggtgncc 300
aatnccctana taaacttagg ggggggtttcg gtggtntngg tttttttacc cttncgccggg 360
nntttttttt ccnnttttta tntcgggnntt tgcttttgagg ggaatttgcc ccngggggggn 420
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2131

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agcttaagag atgaagggtg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180
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2134

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 ctttttagtta tggattacat tagttaactt ttaatttctt ctgtttcttt tgaaatttta 180
 tttcatcttt tagttgattg ccttttcatt tatatnagga agttattcaa attccacgta 240
 tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaga 300
 gaaaatgact aaagttantc taattagagg aatggggaag tggtnnttgg gnacaattaa 360
 tccnnngctt tnttgatttt ataggggaag ggcatnagg tntccnggaa nccngtacng 420
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2137

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cctcattttct ctcagaactt tgggtgtaac agcctgnttn cctccttttag gggatgactt 180
tgaacttagc agatgnctta catgacaaag gaaactgtga gtaactcctt aaactctcca 240
ctgtgggntg acttgcttat natcaccaaa ttattattgt tttcccaaaa acgnatctcc 300
tngtggatgg tccatggnaa ccnnttttnn nccagngggn aatntnnggg ggttangggg 360
ntttntngnn tnnnttttgg gggatttttt gggcccttnn ttttggnttt ncccccttn 420
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2140

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tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaatttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcctgattt tngtaaaagt 360
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<213> Homo sapiens

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2141

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ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgtctcca 180
naggagacac tctgcagaag aatgtntgtn ttccagaaaa gggagtaggt cctctggtgg 240
cagctgtctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
caaaaaagct gnttaaaaaca caaaaaaac tcaagagagc ttttgccagt gctcntttgt 360
ncccntggga accc 374

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2142

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<220>

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2143

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 caaggagaat ggncgtnatg antnatgtcc accggngctt cctccanttc ctgatgaccc 120
 atggggtgct aaagggaatgg gaacgtgaaa ggccttgacg aggcactgct acaagggtcca 180
 tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
 nttttggaag tccttggtata ttgagattaa agagaaggag tgcacggaaa gatgatgggn 300
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<210> 2720
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 <212> DNA
 <213> Homo sapiens

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<220>
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2144

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2145

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gncagtgggg ctggctggna ctgtgccagg cgaagggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atccccaaaaa tggcaccagt 300
taacttgggg atgttcaaga atgnatgggt tggctggntt cttcagggat tggngttcaa 360
ttttccancc caattgaacc tttcc 385
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<211> 371

<212> DNA

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2146

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 acagtgtcac ctgccagcac cacagtgcc ggccttagtg aggaatctac caccttctac 180
 agcagcccag gctcaactga aaccacagcg tttnttcaca gcaacacttc agcctatccc 240
 agagaaaacg gcacagggaa cagtatgatg tgcttcaaga gtgancgaaa ggaaggcacc 300
 cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360
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<211> 472

2147

<212> DNA
<213> Homo sapiens

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2148

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catttttnatc ctccaacaac atttttnat ggtccctgct gtggaanata gtaatgtaaa 120
atntnactna ccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180

2149

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tgcacgcaac atgctgcccc aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga ggggggcaca caattttnaa 300
ctatttactg ctgtnaaccc cattttttaa agtgtagtct gtgaagccat ctgnaatcaa 360
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcagggtcca 420
gattaggcat tttgaacaaa ctcagggtca taaagnttga aaagtttttg gg 472

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<210> 2723

<211> 416

<212> DNA

<213> Homo sapiens

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tatcaaattt cttttcctac atttggtgaag ggtgtggcat tgatacccta ctgggattat 180
aaattggtaa tggtttttgg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

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2150

ttcattcacc tttggcctag taatttcatt tctgagcatc tcttctatgg gaactattcc 300
taaatattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc ccagttgtc ttaccagggg ggggnttttt taaatt 416

<210> 2724

<211> 321

<212> DNA

<213> Homo sapiens

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2151

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tcaagagagc agtaaagtaa ttaaagcaan ccatgctttc acattaagca cttggagact 120
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240
ctntctctct ttttaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300
aanatggcat tgctggggaa a 321
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<210> 2725

<211> 346

<212> DNA

<213> Homo sapiens

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<222> (165)

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<220>

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<220>

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<222> (269)

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2152

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<222> (304)
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<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
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tagataaaaaa cttgggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganttgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaa ctaatttct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggtccttc 300
taantccttt ccagtgcac tncagaatctt ctcttttnt tttggc 346

<210> 2726
<211> 437
<212> DNA
<213> Homo sapiens

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<220>
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<222> (171)
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<222> (178)
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<220>
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2153

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<222> (354)

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<222> (360)

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<220>

<221> misc feature

<222> (405)

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<222> (423)

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ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttattt tacccttata cctgattgcn 240
gttttggttg gcaagggtata gggattcttt agtgggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtgg ctgttgctgt gggagtctga aaaatctgtc cttnctgggn 360
ttccaggggtg gactactgga aattggaagg ccattctgtt ccctnccctt ttggcaaaaa 420
aanccntttt taaaccc                                     437
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<210> 2727

<211> 476

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (51)

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2154

<220>
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<222> (272)
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<220>
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<220>
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<220>
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<220>
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<222> (347)
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<220>
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<222> (353)
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<220>
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2155

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<220>
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<220>
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<220>
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<220>
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<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

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tccaaccatt gtcctgagt agtgctgtgt agtggtgttc acatacccat ctaggaagtc 120
tcatgaaggc agcggctttt ggatattaaa gaatgtaaca gagttttaga gagtgccaaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaaagc catttggtgt tactgccatg tntgtnecca aattcttccc gtttagtttt 300
naaaaagnncc aaggaatnat ctttgggttt aggttagget ttngtntcta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccttttgt 420
tntcccaggn tttacacggn atttgggggg ggggttaaagc cccctggca caaaat 476

<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens

<220>
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<222> (131)
<223> n equals a,t,g, or c

<220>

2156

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
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<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
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<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2157

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

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<220>

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<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<400> 2728

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ggcagagggt ttctcctccc tagtttctgt gtctgtcctg ttcccactgt ccctcttgcc 60
tggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatggt aggggtataa 120
caatttgatga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtgggttgcatt ttntgcttgg gctgcaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttta gaaacaacca 300
accatttnga cncatgtaac ttttctttgc ctccccccagt tttttgggtc tttggcaacc 360
cttgtgggnc atgtgggcct tgat 384
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<210> 2729

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

2158

<220>
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 <222> (218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (276)
 <223> n equals a,t,g, or c

<220>
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 <222> (283)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (316)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (326)
 <223> n equals a,t,g, or c

<400> 2729
 ggggcgaggg agcacatggc aaggggaatga caggccaagg tggggcccag aggctgntta 60
 aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120
 gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
 tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
 tgtgncttga cattgtggac ttctaaacat tatttntecg tgnagegaat cctttcaagc 300
 ctggtaaggg gacttnacag cttgtn 326

<210> 2730
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

2159

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
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<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)

2160

<223> n equals a,t,g, or c

<400> 2730

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ggcaccgagca gtttttagatt tnatcagttg gtctatatttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatat cttcctctct nattttcaca gtagagtga 120
gttacatcac actttctggt taagtttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgaattata ttnccttttt nggtccaatt 240
ttnggcttga gtttttttga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngatattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385
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<210> 2731

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

2161

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2731
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caggaagtcc cagaaatatt tattcttgtg actctcacia aatggaaaag ggtctcaatt 120
tttgtttctt taagggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agccccctc cagttacgct agaactctgc tttatcttca aggaagaaaag 240
ggagtnggga gaagttacct ctnaaacct ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacgggtttt ggggggggtg 360
aaaaggaaat nttttgcctn aantggncct ttaacttcac gggngtgacc cattcaa 417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2162

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 2732

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ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaattgatga caancagtat tcatgaacat ttgggtttata caagatttac ctttataactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa ttttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttgggttcag tgcttataaaa 240
agcaaaaagaa taatttgtca ttcatttttt aaantagtggt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tggggttacc cncctctgctg ggn 343

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<210> 2733

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 2733

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ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaattt 60
tntcatcct gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atztatgggtg gatggagaca ggtgagcagc aatggaactg tcaaggggga ggatttttcc 240
actaccctct ggagggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatgggggat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggtagtngg 480
ctttttntt ccaaag 496

```

2163

<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

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<222> (5)
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<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2734
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aagtgtcttc aggcctatgc aacagcctgg tgggatctca cagtgggata ctctcaaga 120
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtgggtc ggactgcctc 240

2164

ttgtggaaga ccctgcccag agccccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattggtcc catgnaaact tttggngccc cnattggtta agatttt 347

<210> 2735

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

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<220>

<221> misc feature

<222> (46)

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<220>

<221> misc feature

<222> (139)

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<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

2165

<223> n equals a,t,g, or c

<400> 2735

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ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
agggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaacttta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccagggtg tgtttggtctg cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gtttctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t 501
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<210> 2736

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 2736

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ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaaaa 60
aaaaannnttt tnaaa 75
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<210> 2737

<211> 86

<212> DNA

<213> Homo sapiens

2166

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tncctgggt ttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat 86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

2167

<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2738
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

2168

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
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atagacctca gacaagtaat ttactcctg taagcctgaa tttntttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacagggtg caaggtaaca tgaaattact gcactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctatgt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttcttctcaa gtcatacag aacatttcac caggttngnc cacattctgg 360
gncctagggt acaccttaac caattttaaa ccggttaaaa gcttncaaag tttgttctca 420
gncncatgn tatttaacct aaaattcacc accnggaggt taccgccgtt 470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

2169

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2740
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tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaagggggtt 120
tttgataaac taaaacctca gcgcataaag gagatttaaa aggagcacat gatttagtgg 180
gtggggccatg aaactagaga tgggatttgg ggggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gcctttggta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacgggtta ctgtantgtc ttatcancct ttcaag 396

<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2170

<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2741
aacatacgct gtagttttgg tatagttttag gcttactgag ccacttttnat nagtcctggg 60
aattgatggg aacactccta aaatcttaaa tntctaaaca cctgagaaac aagggccaac 120
cttgtaaagc aggctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
ctatatataa tagaaagtga atgatgttga aagtccatta agatttatcc ttgtnttgaa 240
acctccatat ctagaagtgg aaacatgaca ggggnatttt gacgtaataa aagggaaaac 300
tattgaggtg atactgatac ggntatatat tgcactctgng gnaacagggg gngttttccg 360
ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406

<210> 2742
<211> 85
<212> DNA
<213> Homo sapiens

<220>
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<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

2171

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 2742

ttcccgatcc accgtcccca tcgtgggcat tngtntctggc ctggctgtcc tagcagttgt 60
ggtgatcgga gctgtggtcg ntggc 85

<210> 2743

<211> 135

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

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<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2743

2172

ggcagancgg gcacgagcgt ggggggtaccc agcaaggagg ccacgggtgcc tgacctcaag 60
cncaaanctn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120
ggagattgng gccct 135

<210> 2744

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 2744

ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc 75

<210> 2745

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

2173

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<400> 2745

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gggttggttg tncatgtttn tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac cccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggg ttcctctaata tagaan 226
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<210> 2746

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

2174

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<400> 2746

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ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttctcatcc atctggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcacctgc acggaatgag ttgacctaa 240
aggagtgaaa gagataaaca aagggatctt tgttctgna ttccctgga aggggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc 363
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<210> 2747

<211> 54

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

2175

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 2747
cctgtcctaa tgnnttttaa ggtaggggat caaaancctg ggcttaatgt ataa 54

<210> 2748
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)

2176

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<400> 2748

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aatttncctt ttaaaagcct gtggaganc t agaggngaaa ancttttaaaa ggtgatgctg 60
gggcagtaag tgggggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggnac aaagggcanc aanggggt 157
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<210> 2749

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

2177

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2749
ggcacgagca agagtgagtt ttaggtactt tacctaactt tcagagattg gagcattagt 60
ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gngggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaatagng gantttgaga atgtcacatc aaattttgtg 240
tantaataac attgggttcat atttaaccca ttacataggt tgatttttag ggngctatgg 300
attgnaccat ttgaaatttt natnanggae aaccatgggc cgga 344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2178

<222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (150)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (248)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (320)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (370)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (380)
 <223> n equals a,t,g, or c

<400> 2750
 ggcanagcgg cacgagcnac aacacctctt tcataaagag acttgtgtat tcagcaaaat 60
 aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancctgag aactttaagg 120
 gctggatatg ggaggggaaaa gaagaataan cataaaaaatg aatcctacag taaaaacaca 180
 ggacccaaaa aatcttttta tttaaaaaaa ttaaaatgtt tgtcccata taagtttctg 240
 ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
 naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
 atgggggngn ttggaagggn aa 382

<210> 2751
 <211> 235
 <212> DNA
 <213> Homo sapiens

2179

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

2180

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 2751
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaacct 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

2181

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<400> 2752
ggcagagggt ttttnaacag catctgacaa gaaaattgtn tctctatggt acactcctaa 60
gagtagtgcc ttttaaggaga gtcagactat cacatatctn tccccgctac ttttcccacc 120
tntccaagca ggcttcattn atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctgggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atgggttttn attaaacact ccctttgggt aaatggccng 300
t 301

<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)

2182

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2753

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cagcccatca aagagagagg ctctcctagg gcgtccaggg ctggccatct ttaaaccgggg 60
agctttcttg agtggctcct ctntgtagga gcagaagccc ggcctggaca cccctcgccc 120
tgggacaccc ctggaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaacctttt tatttttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292
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<210> 2754

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2183

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

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<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2754

cagttcctnc cgtgatnadc cctacccttt tccacatttt cnttaaagt ggggtttttt 60
ttttgttngc ttggttttga ggggttagagg ggaanccct cncngattgc ccctttaaaa 120
a 121

<210> 2755

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

2184

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 2755

ggcacaggna gagagagaac tagtctccag tttttttttt tttttttttt taaaaattgg 60
gggggantcc tggggtttna aaagggtntg gggcct 97

<210> 2756

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

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<222> (45)

<223> n equals a,t,g, or c

<220>

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<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

2185

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<400> 2756
ggcagacctg tccccaaggn ctcttcctta ttatggcagg gagtngggat tggncctact 60
tncctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttccn gcaca 195

<210> 2757
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

2186

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2757
ggcagcagggt tttttttttt tttttttnat ttnaatnggg ntttattttt tt 52

<210> 2758
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 2758
ggcagagctc gagttttttt tttttttttt tcaaaggggn ggngagggtta ancggggttt 60
atcgtnana 70

<210> 2759
<211> 392
<212> DNA
<213> Homo sapiens

2187

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 2759
ggcacgagcg gcacgagaaa ttaaggaact acaccaaaca ttcttatgaa atttcaggac 60
accaggataa tcagaaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaattttgaa gtccgagcac 180
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240
cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300
aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttggtgct ccaaccaaac 360
aggggggnaaa ccagggaat ngggcacagn aa 392

<210> 2760
<211> 307
<212> DNA
<213> Homo sapiens

<220>

2188

<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
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<220>
<221> misc feature

2189

<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
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<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
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<222> (137)
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<222> (146)
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<220>
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<222> (163)
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<220>
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<222> (180)
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<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)

2190

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 2760

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tggtggtttc catattttgt ntgttttctt atttccaaan tagcctnnct tggtaactaca 120
tggtaaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
tttttct
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307

<210> 2761

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

2191

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2761

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ggcagagcgt tattttacta ttctagggtt aatgataaca ggttgctatg tctaagcttt 60
gatattttgc agattttctaa atgcatttta ttgcatttag aaggggaattt tgtagtattg 120
agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggg ttctgaaagc 240
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
atatctgttt acttttagagg aggcagtttt tgagaaaggn tcctaaatat ccngggccca 360
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405
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<210> 2762

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (251)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (290)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

2192

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2193

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 2762

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atattcagca aaaatattct tcaaaaacaa atgtgaagta aacacatttt tagtcaaaca 60
aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
ttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ccttcaaaac cataaaatat gtgccagn gn cacacatngg 300
cttcaaatta aggggttg an ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaacc accangttcc aanggggncca 420
gncctttcct tatggttaag ggggttcctt ttaaccagg ggggttactt ttcncgg 478
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<210> 2763

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

2194

<220>
 <221> misc feature
 <222> (353)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (379)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (403)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (441)
 <223> n equals a,t,g, or c

<400> 2763
 ggcanagcct acttcaacta tctgaagaga ttcttcaagg tggaggatac agtgggttata 60
 ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
 taaaatagtn aatttaataa tgtctgggtg aaacctctta aaaaaaacac tttgcagcac 180
 atctctggta gccctgtgct tngaatgac ttttaggctg ccagttcaga agatggaaga 240
 tattaaactg tgttgatgga gttgggtttt ccagtgggac cctgttaggt tcctttttaa 300
 aaaaaataat aattttttat aatgggtatg tcttcgtgag nccctcacia cntgaggtt 360
 tttacttggt tgggcnganc aaggacatg aacgttttaa agnccgttcc actaacattt 420
 acgggagggg gcttaaaggg ngc 443

<210> 2764
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (42)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (46)
 <223> n equals a,t,g, or c

<220>

2195

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2764

ggcagagaaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g

51

<210> 2765

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<400> 2765

gngaaagacc tntttcctgg gncctcncct gtgtagtctc cttcaggact tattgtgctc 60
agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

2196

<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
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<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2766
ggcagagcgc attcaacttt ctaaacaatcc ctcagactga cccacatctt tctatccact 60
tttaacatct tgcttgaatg acttccccag gccagccag tctccgcct ccagctccgc 120
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180
ctttnactgc tttgcttcaa gcccttngt ggctcctatt tccagctgga tgagggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgттаatttg accagccaag 300

2197

ttttcttaca tagcggttggtgt gtccttttggtt tccttctctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tggtgcaaaa tttncta 396

<210> 2767

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2767

ggcanagnca ataagggctg ctttagaatt aggttatatg gcaaacattt tttctaaatt 60
tagtgagcta aatctcaagt tccaagggtta tgctataagt aagagaaaaa gcactttatc 120

2198

aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180
gagtgttttaa catttgatga gtgaaagaga aacagggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga 409

<210> 2768

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c